

Test Report No.10052384 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 10052384AppendixD)

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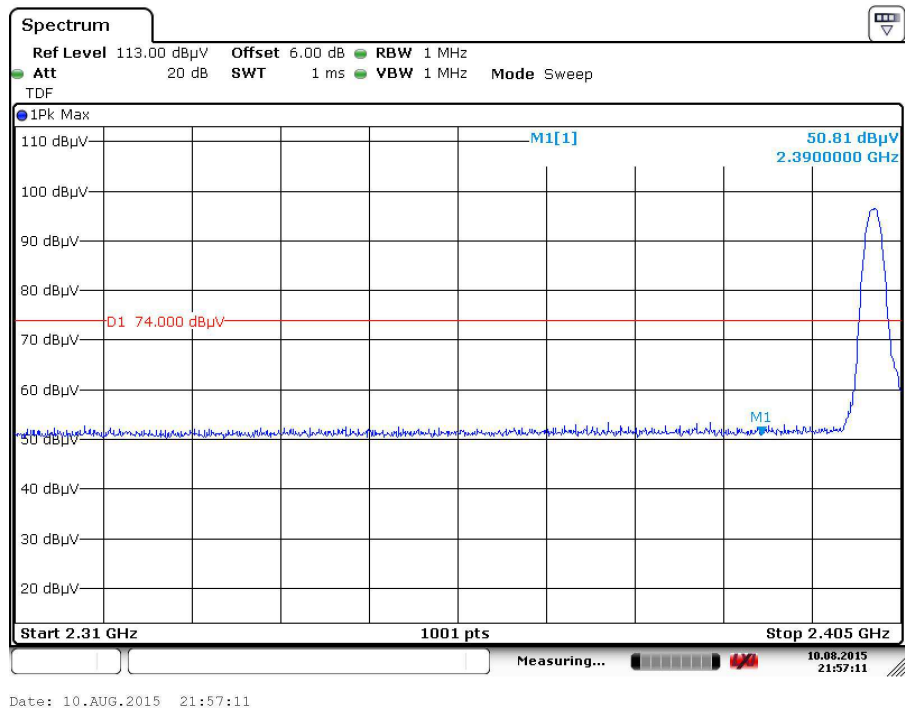
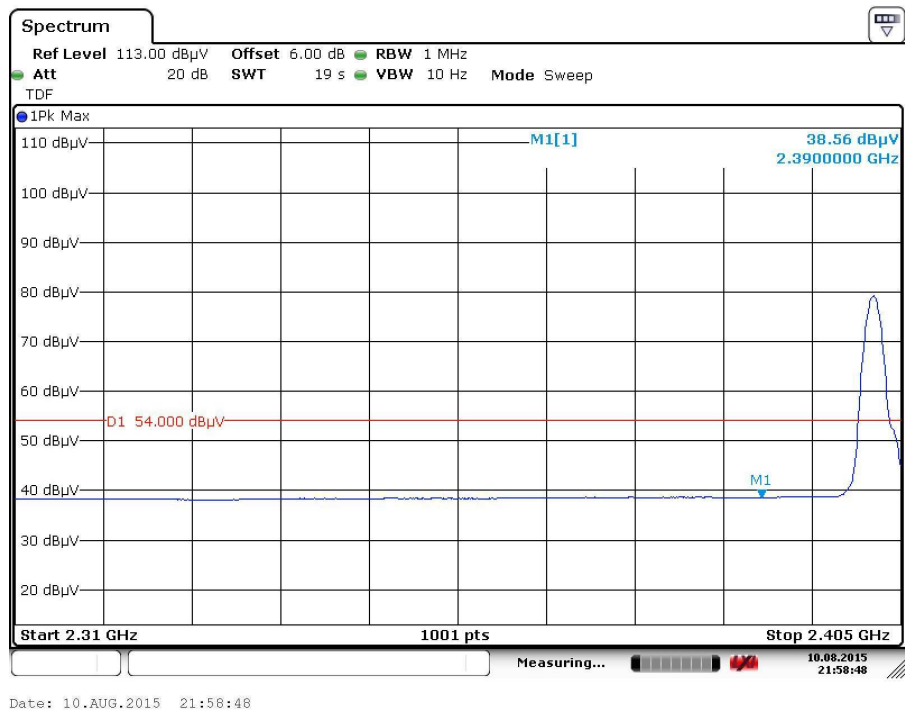
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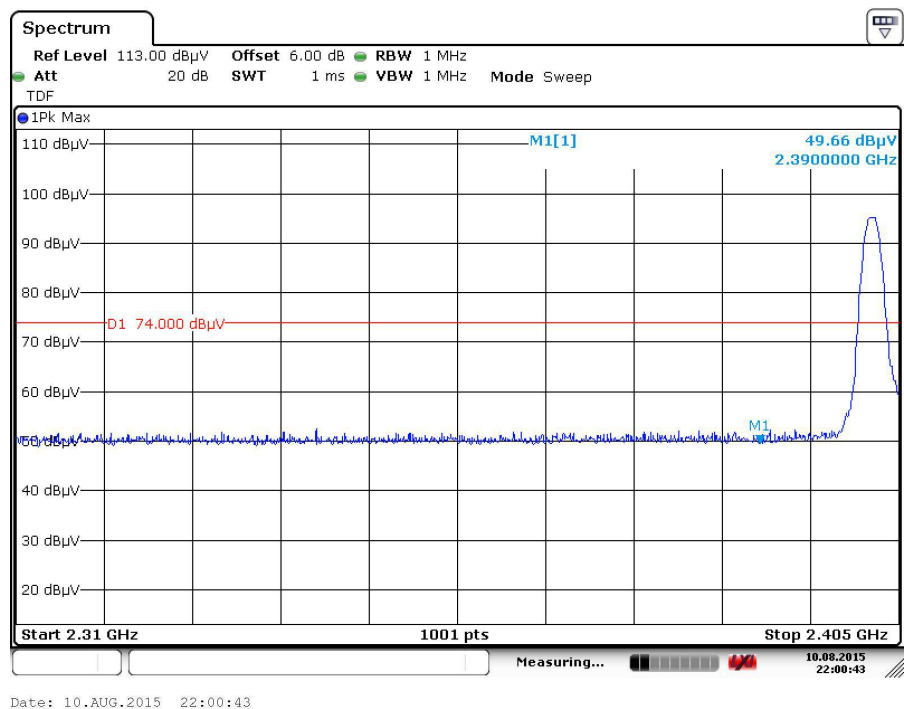
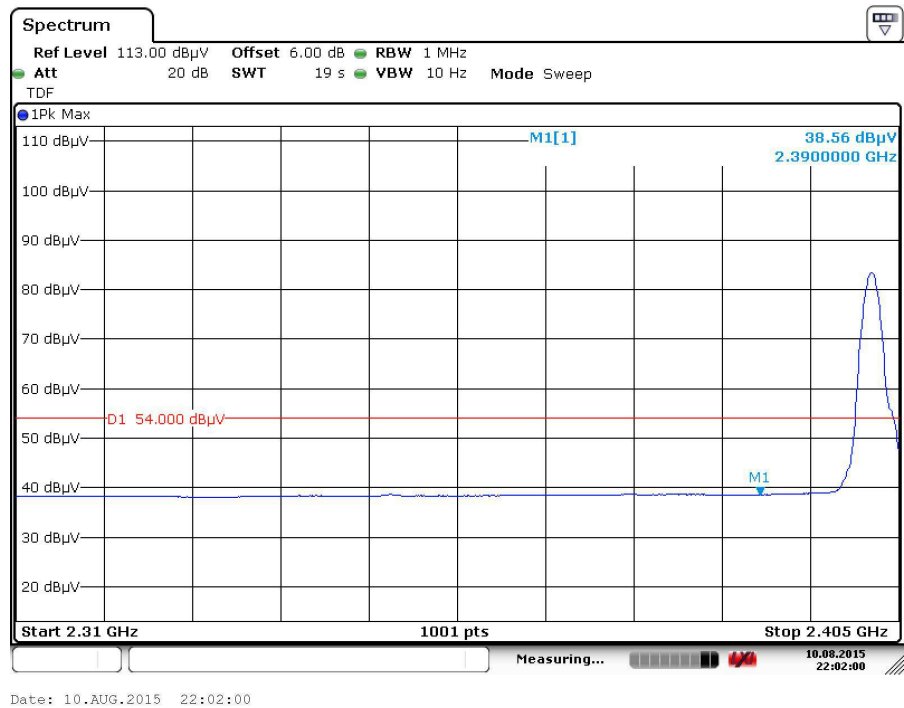
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Radiated Bandedge (GFSK)

Low Channel (Hor)



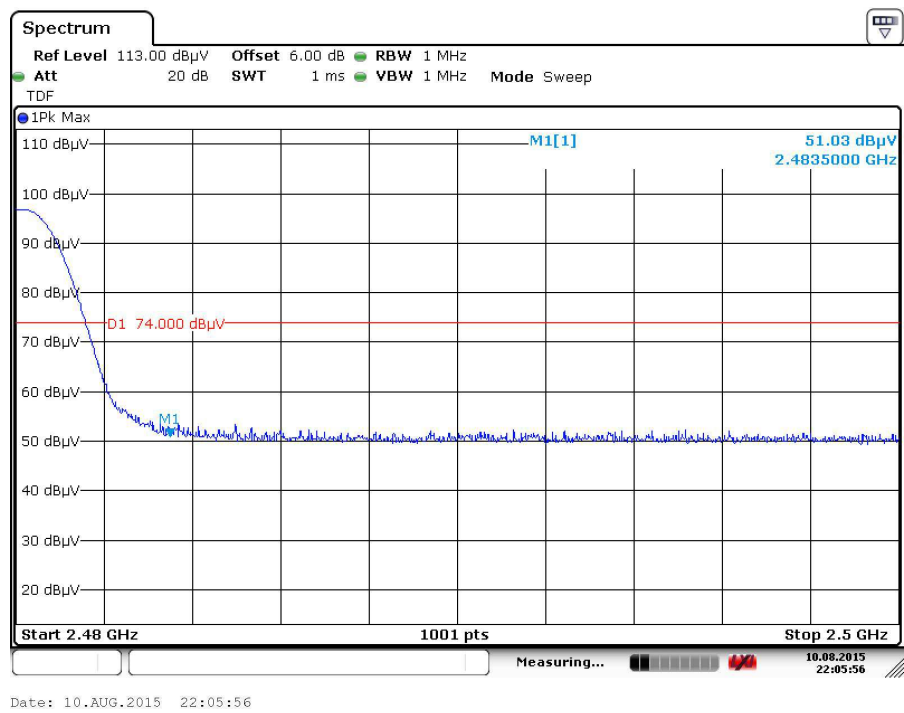
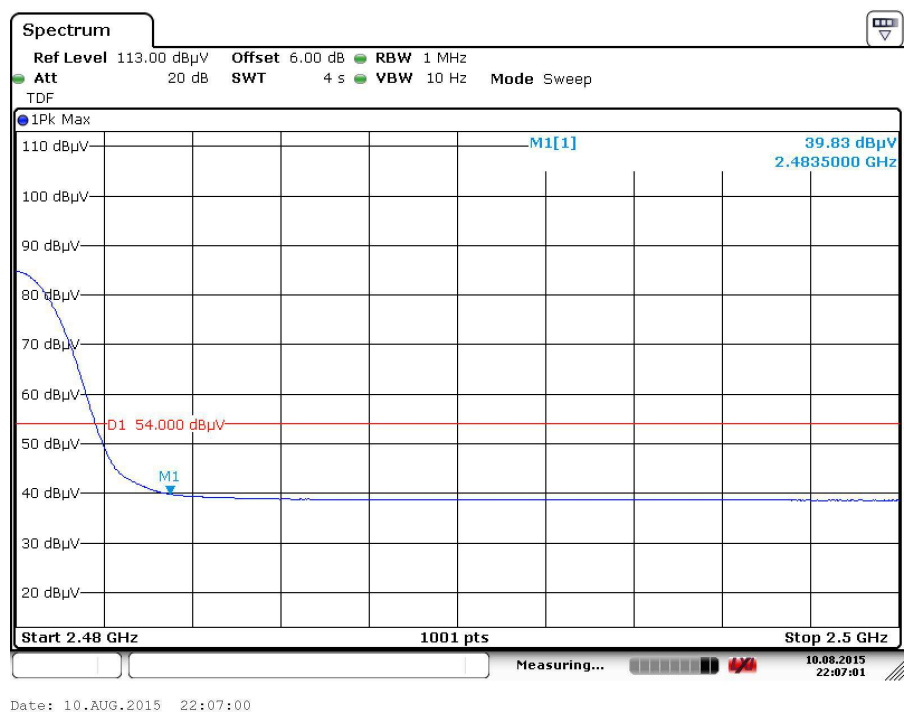
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

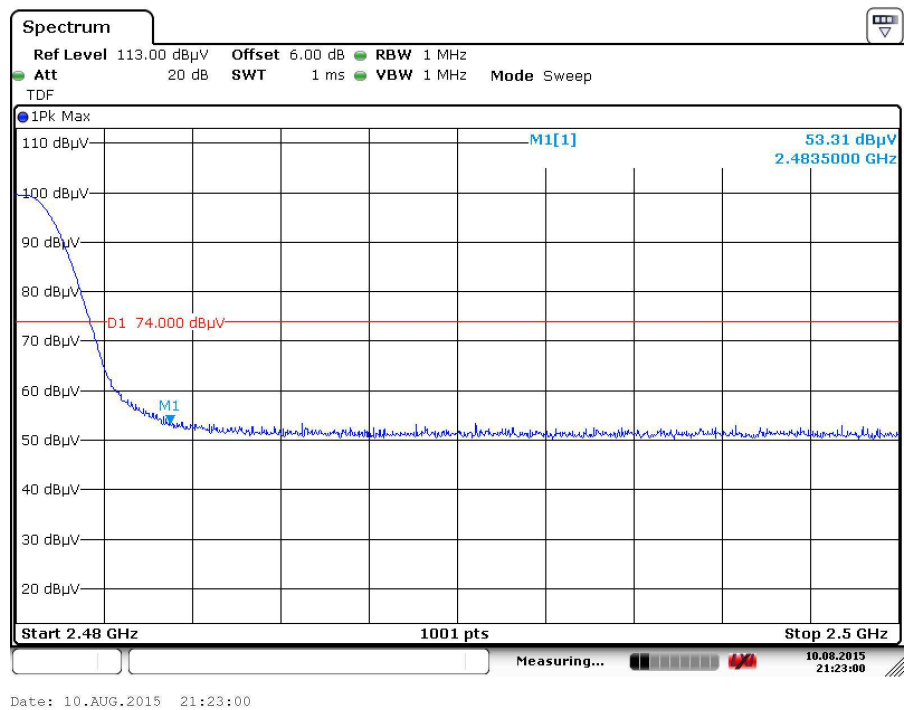
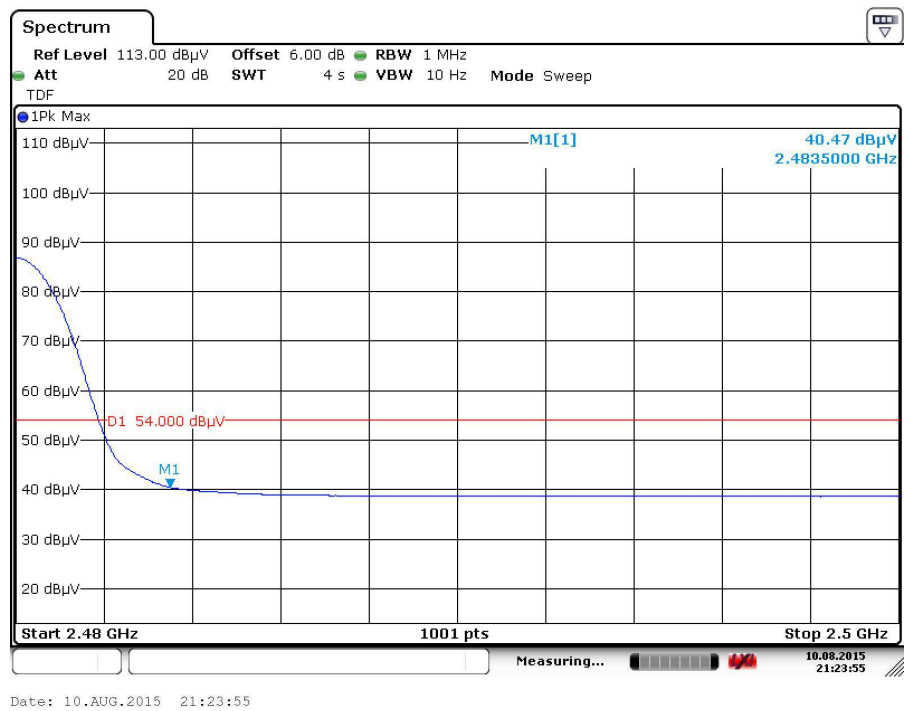
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

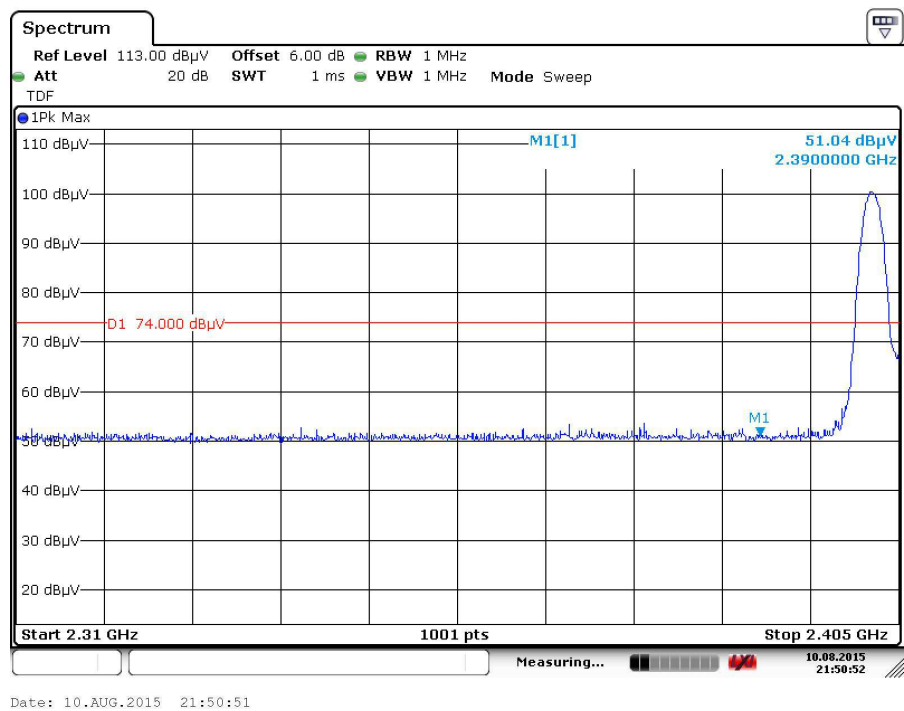
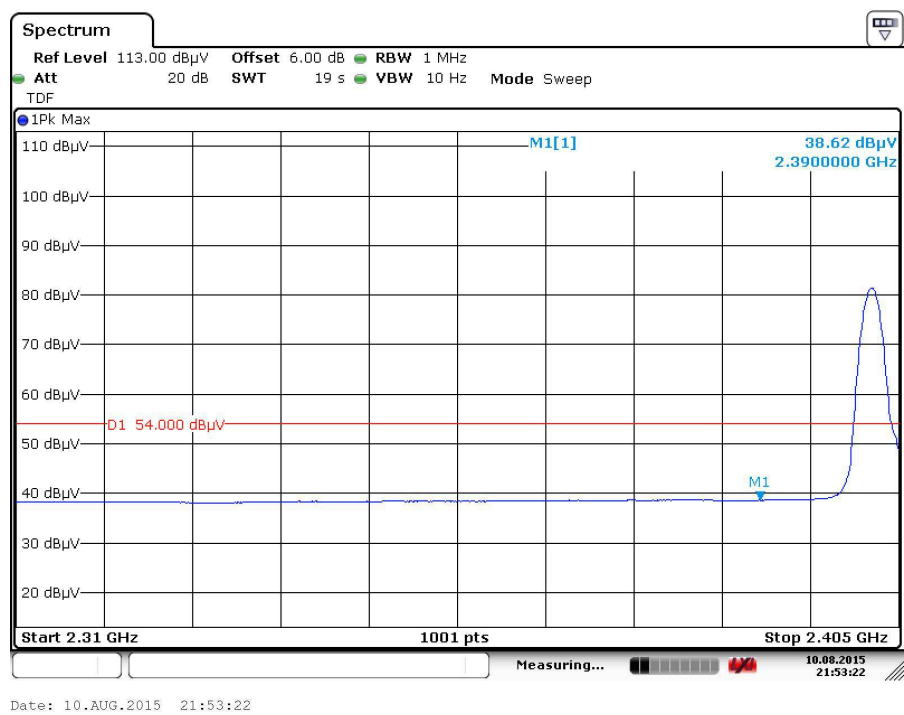
High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

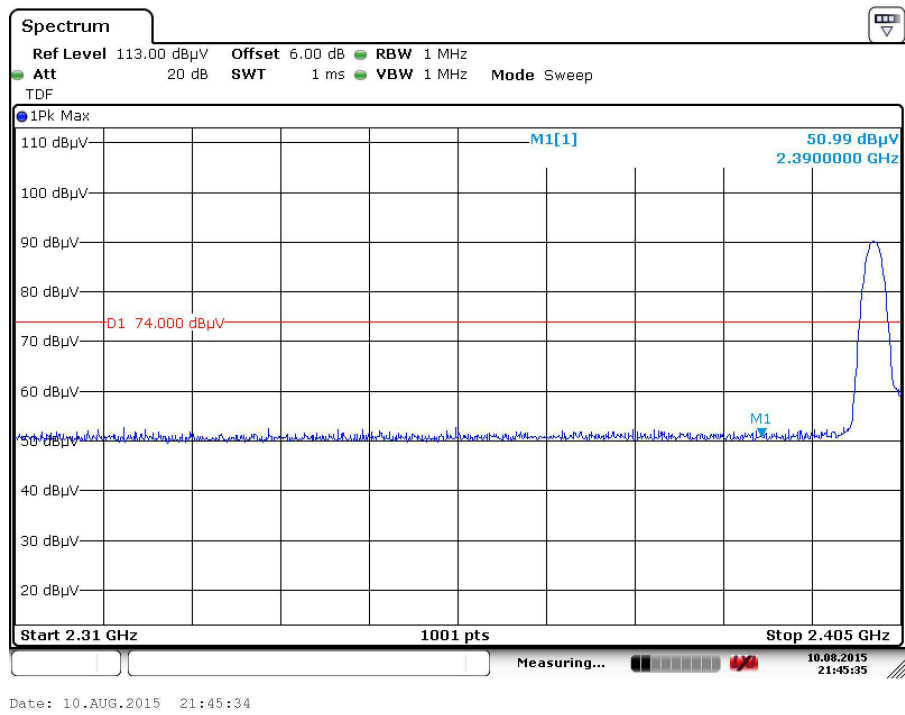
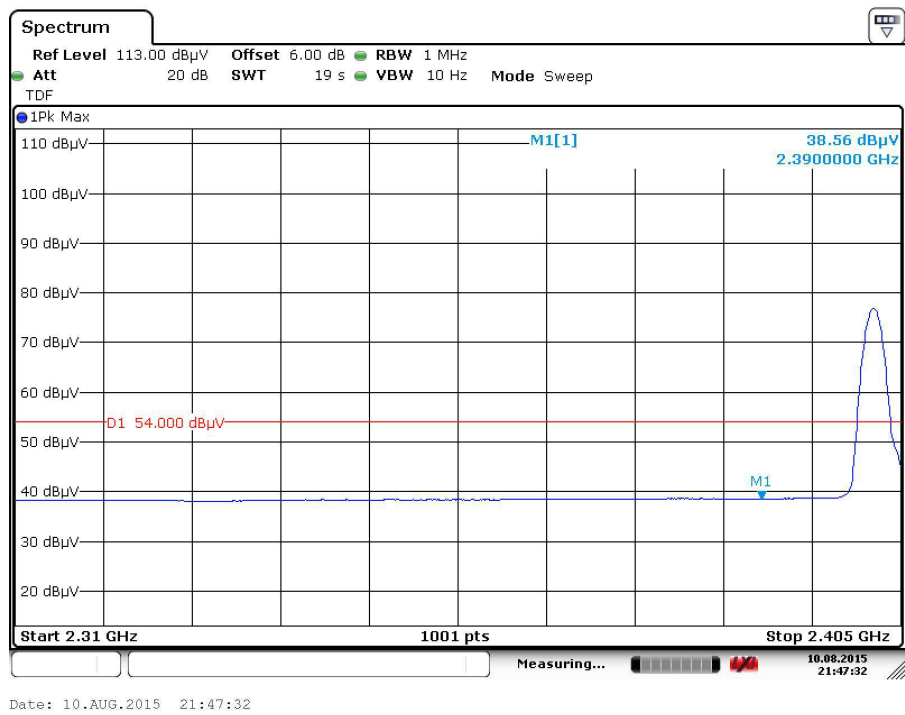
Radiated Bandedge (8DPSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

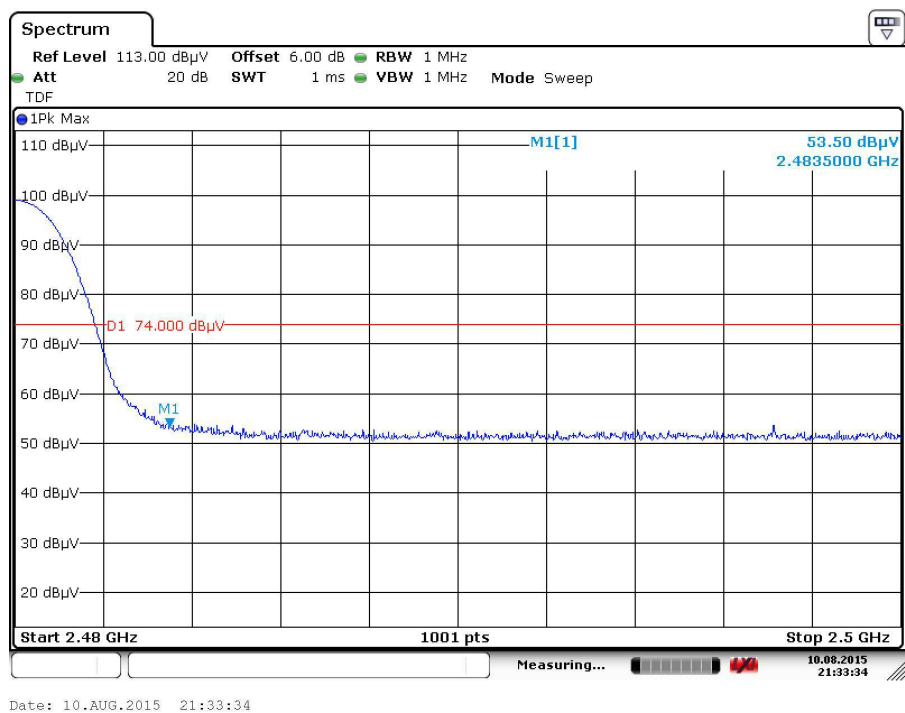
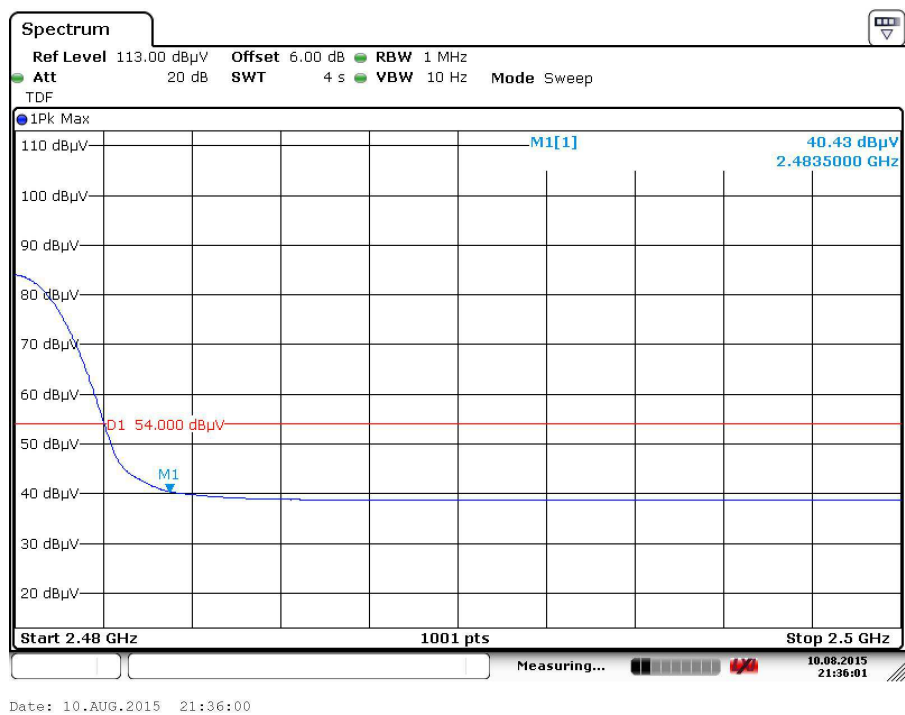
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

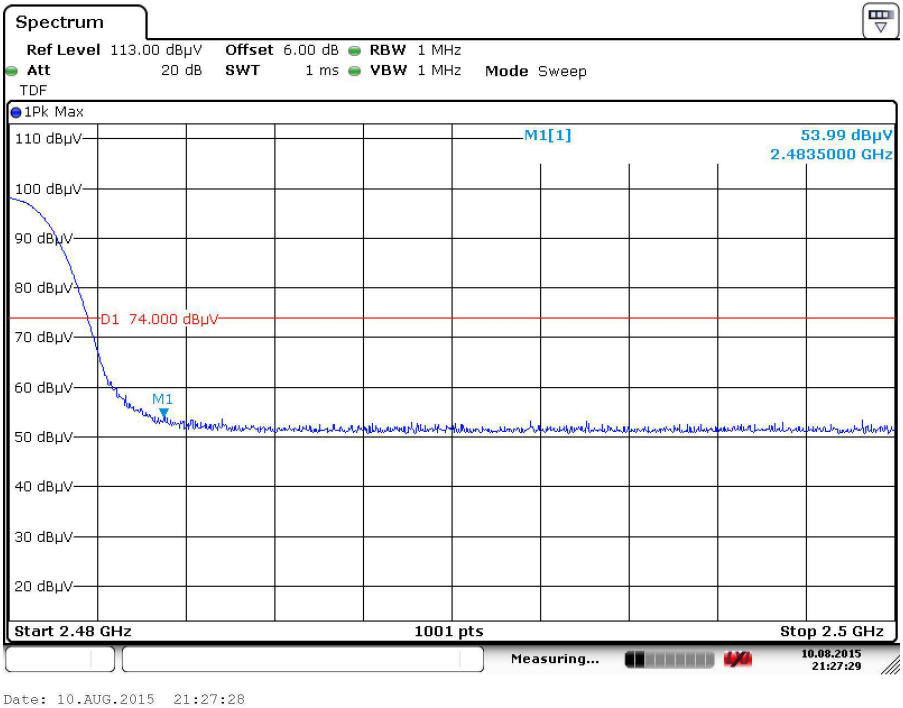
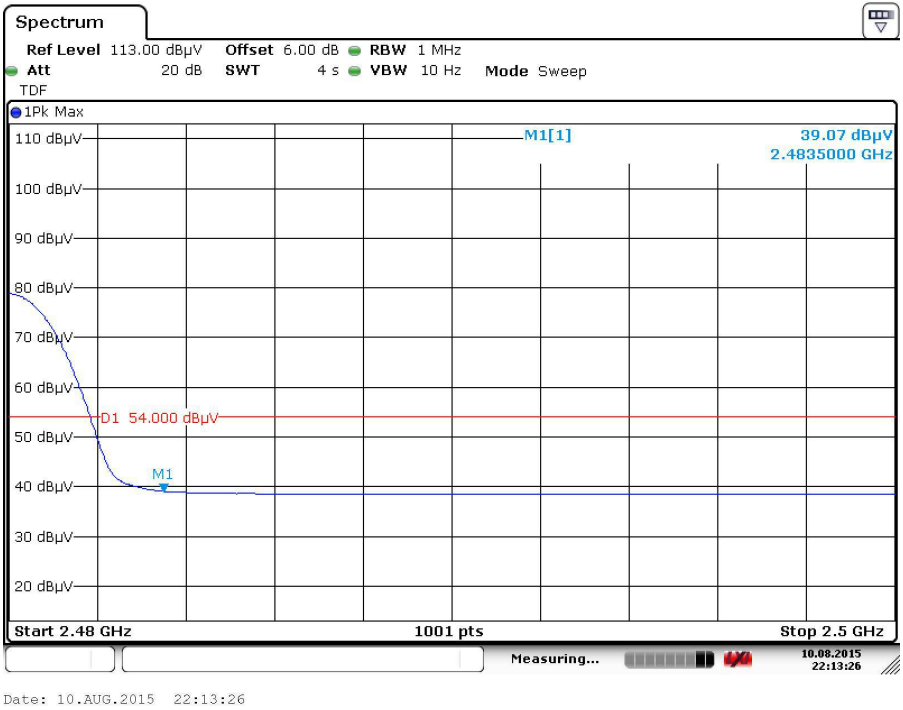
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

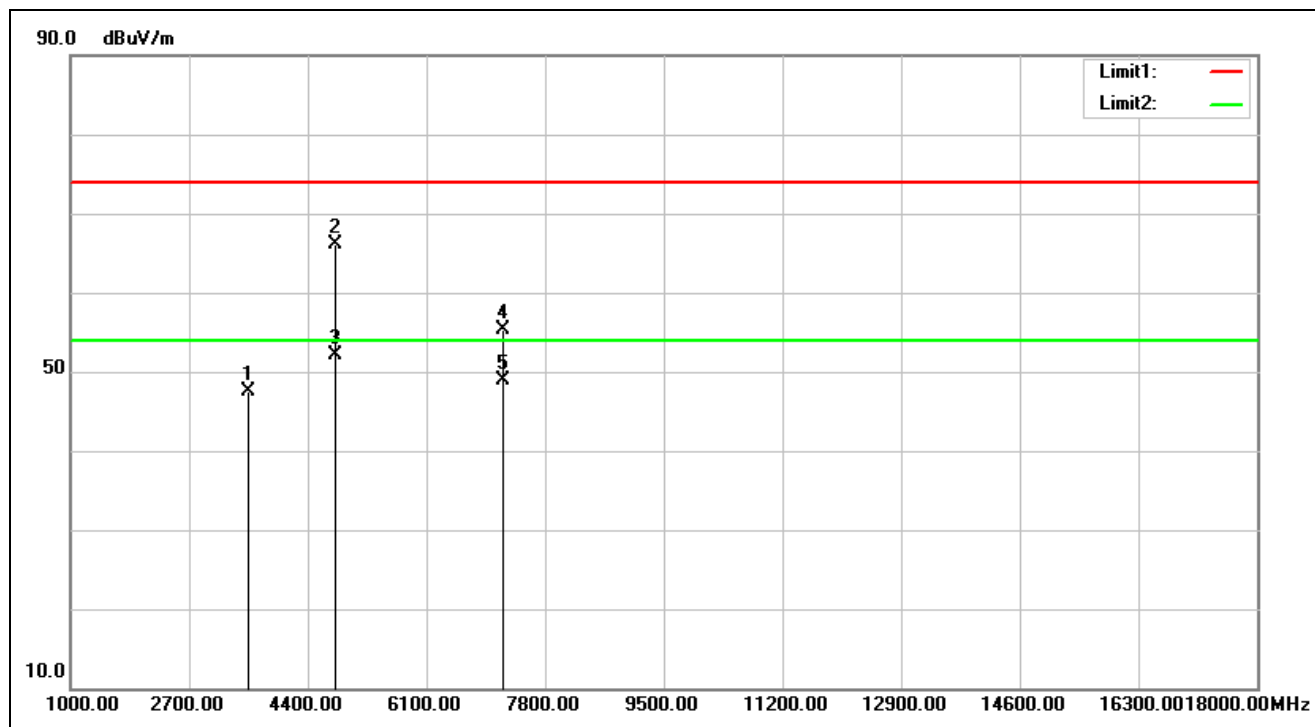
Spurious Emissions, TX Mode, 1-18G



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11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

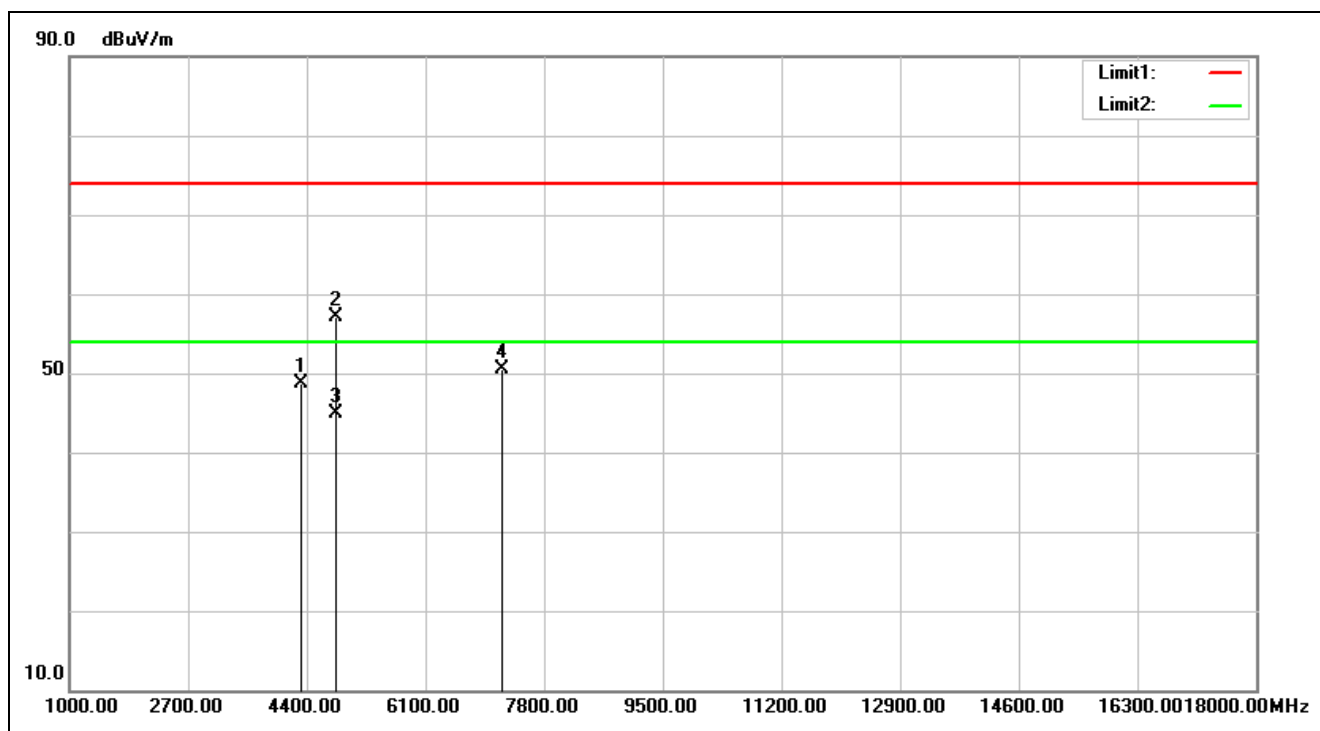
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 19:41:46
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2402		
Remark:	INT:57		

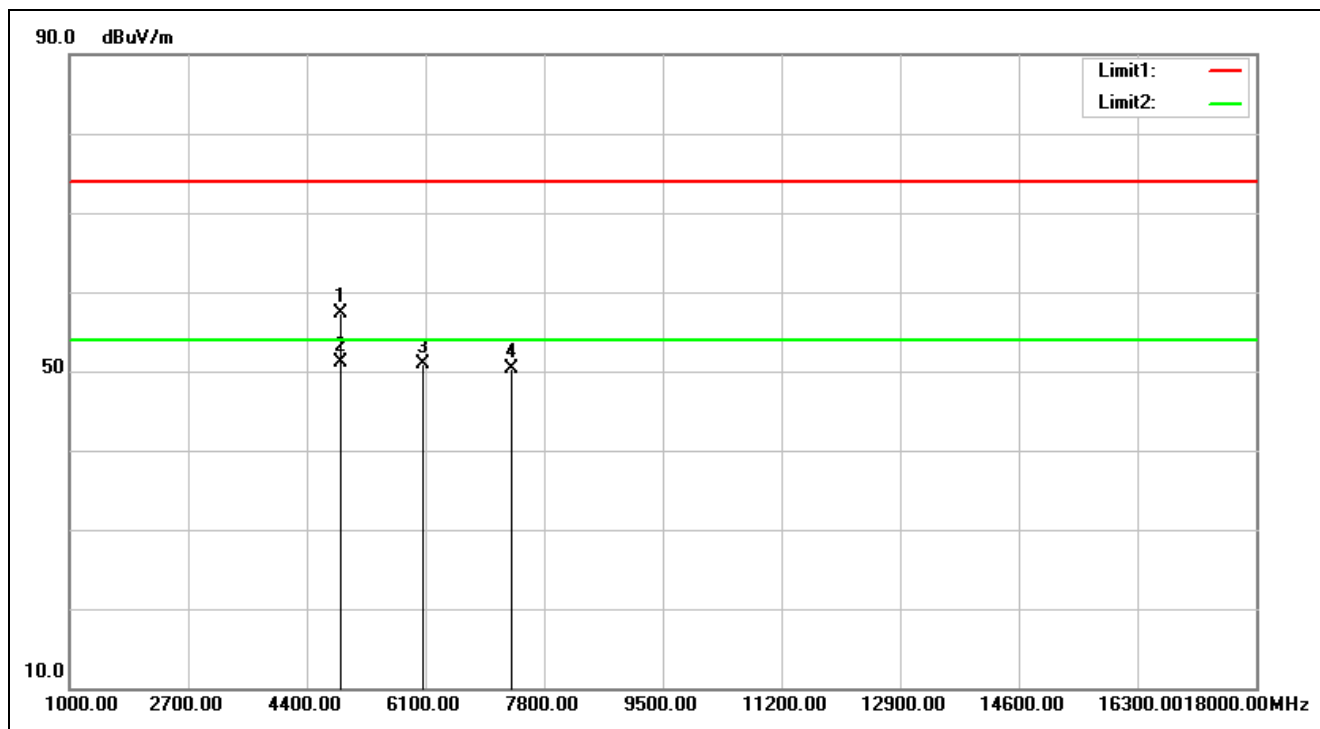
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3550.000	-5.49	52.93	47.44	74.00	-26.56	peak	100	177	
2	4804.000	-2.35	68.44	66.09	74.00	-7.91	peak	100	121	
3	4804.000	-2.35	54.39	52.04	54.00	-1.96	AVG	100	121	
4	7206.000	5.78	49.44	55.22	74.00	-18.78	peak	100	105	
5	7206.000	5.78	43.07	48.85	54.00	-5.15	AVG	100	105	

Spurious Emissions, TX Mode, 1-18G



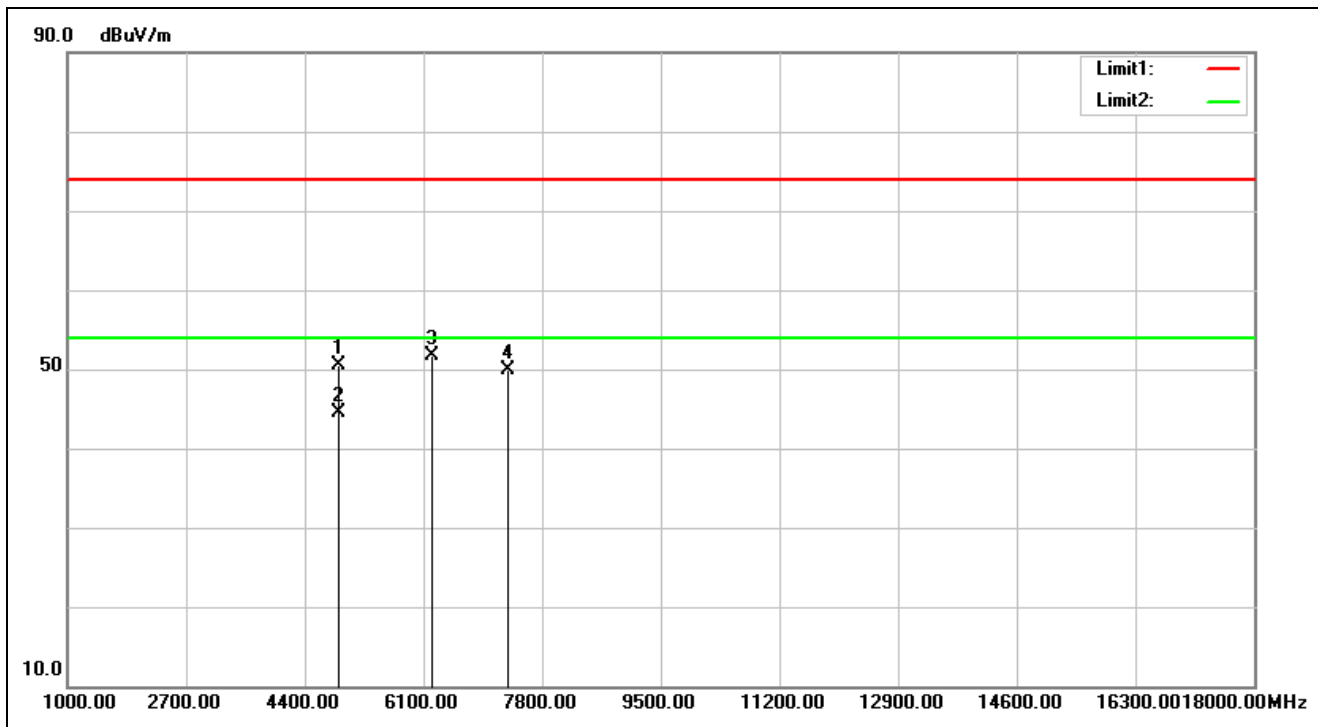
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Test item:	Radiation Emission	Test Time:	2015/8/10 19:42:49
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2402		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4315.000	-3.83	52.63	48.80	74.00	-25.20	peak	100	327	
2	4804.000	-2.35	59.47	57.12	74.00	-16.88	peak	100	186	
3	4804.000	-2.35	47.18	44.83	54.00	-9.17	AVG	100	186	
4	7206.000	5.78	44.78	50.56	74.00	-23.44	peak			



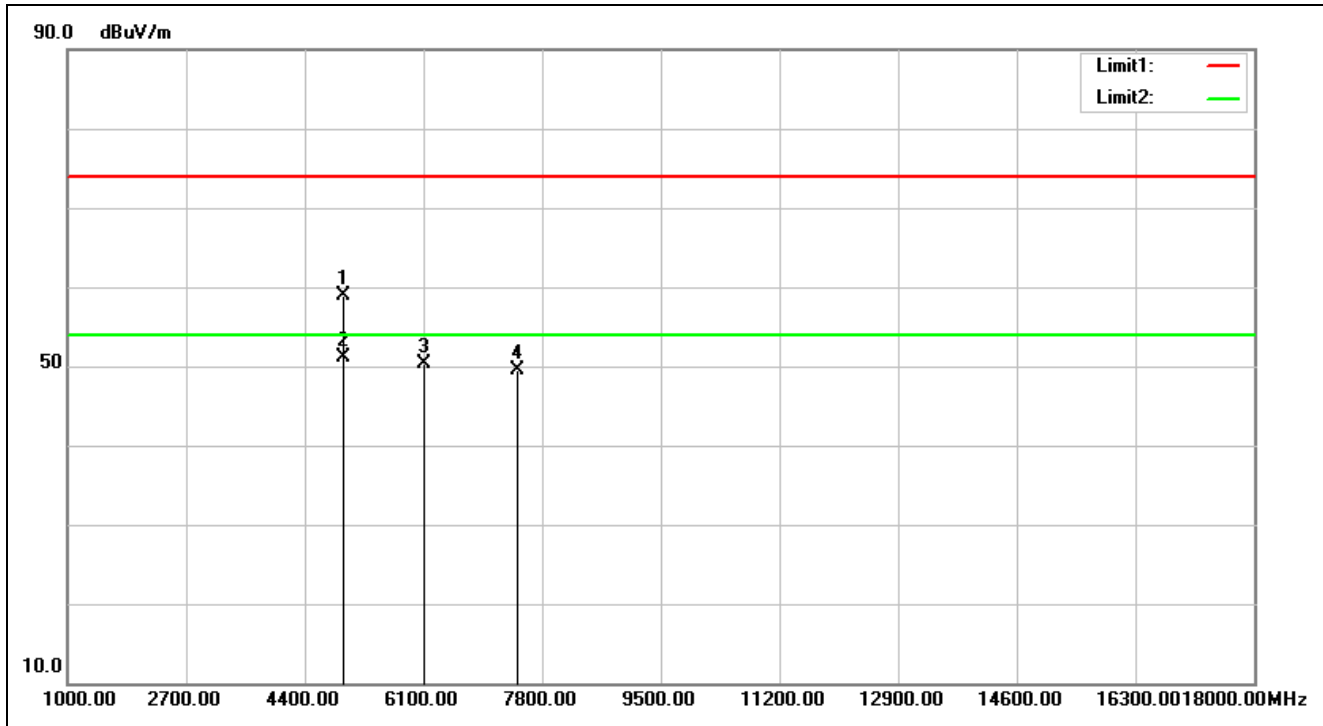
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 19:57:42
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2441		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	59.37	57.21	74.00	-16.79	peak	100	108	
2	4882.000	-2.16	53.26	51.10	54.00	-2.90	AVG	100	108	
3	6066.000	4.34	46.57	50.91	74.00	-23.09	peak	100	22	
4	7323.000	6.13	44.24	50.37	74.00	-23.63	peak			



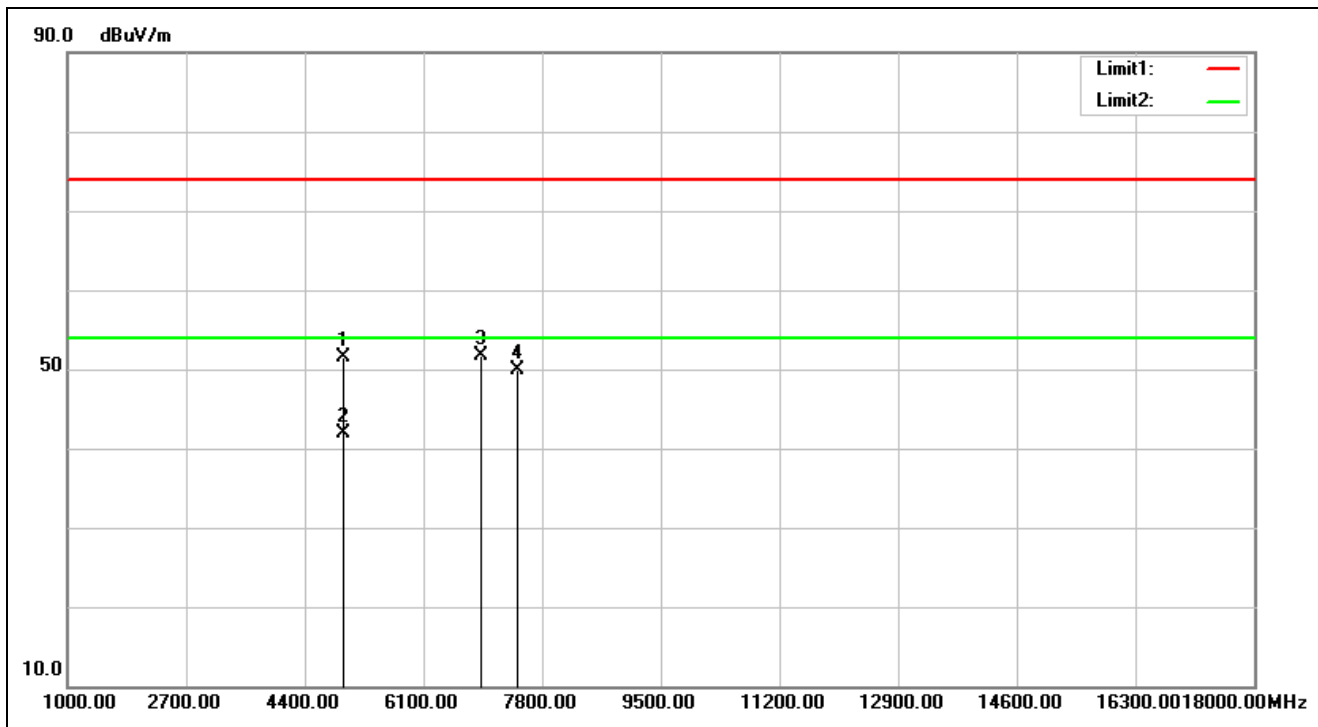
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Test item:	Radiation Emission	Test Time:	2015/8/10 19:58:44
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2441		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	52.75	50.59	74.00	-23.41	peak	100	255	
2	4882.000	-2.16	46.64	44.48	54.00	-9.52	AVG	100	255	
3	6219.000	4.93	46.70	51.63	74.00	-22.37	peak	100	310	
4	7323.000	6.13	43.68	49.81	74.00	-24.19	peak			



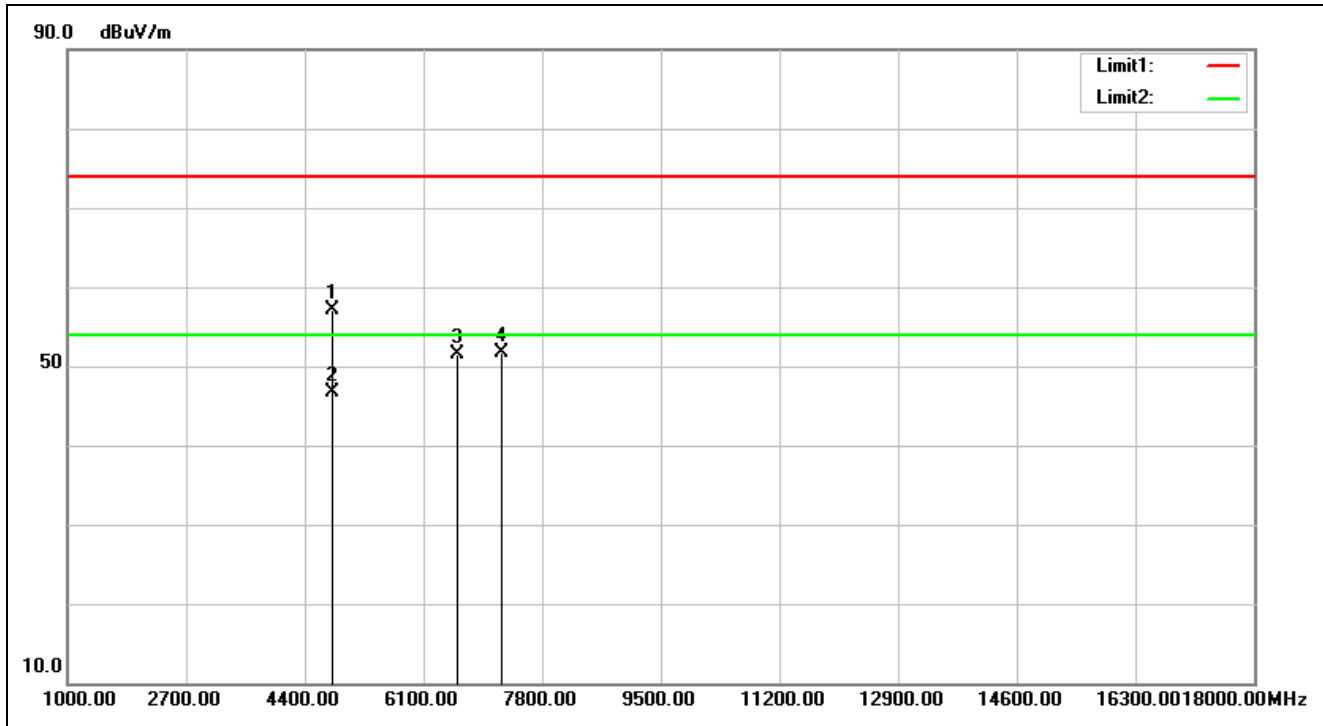
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 20:08:51
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2480		
Remark:	INT:59		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	60.83	58.86	74.00	-15.14	peak	100	108	
2	4960.000	-1.97	53.02	51.05	54.00	-2.95	AVG	100	108	
3	6100.000	4.47	45.75	50.22	74.00	-23.78	peak	100	285	
4	7440.000	6.47	43.08	49.55	74.00	-24.45	peak			



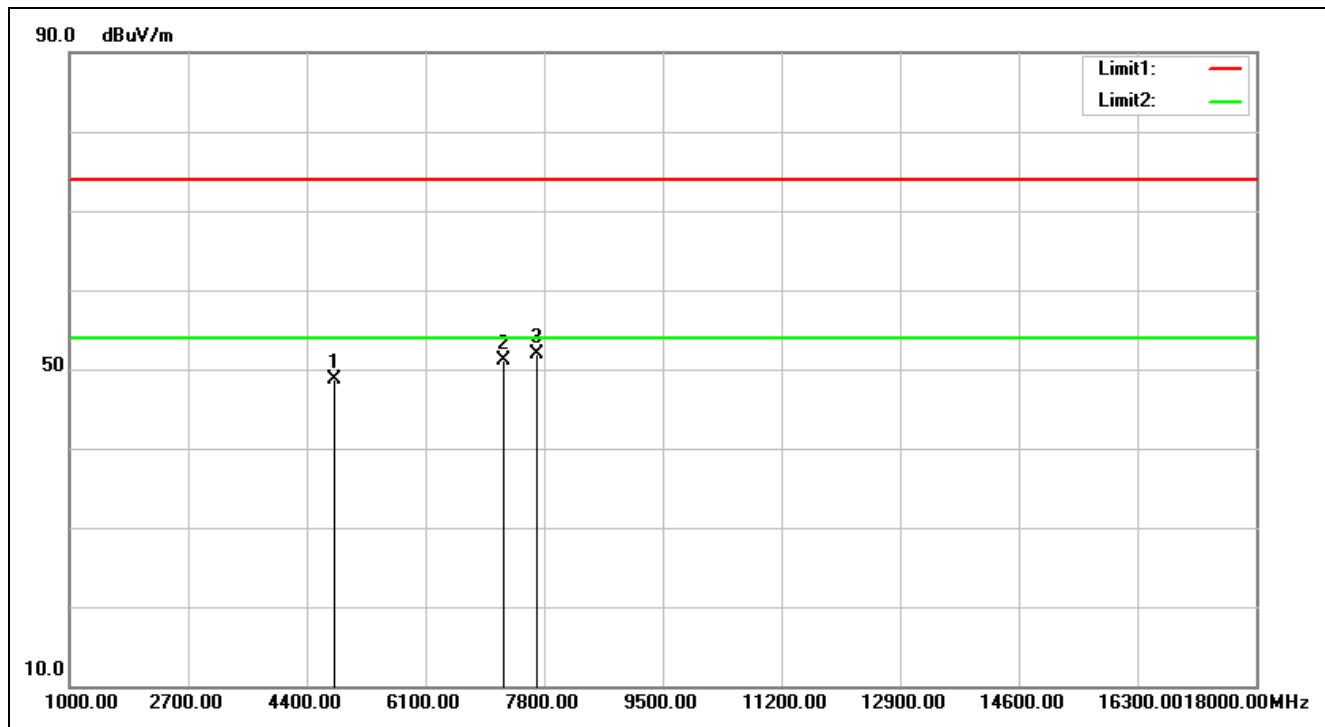
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 20:09:54
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2480		
Remark:	INT:59		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	53.47	51.50	74.00	-22.50	peak	100	100	
2	4960.000	-1.97	43.95	41.98	54.00	-12.02	AVG	100	100	
3	6933.000	5.28	46.42	51.70	74.00	-22.30	peak	100	310	
4	7440.000	6.47	43.45	49.92	74.00	-24.08	peak			



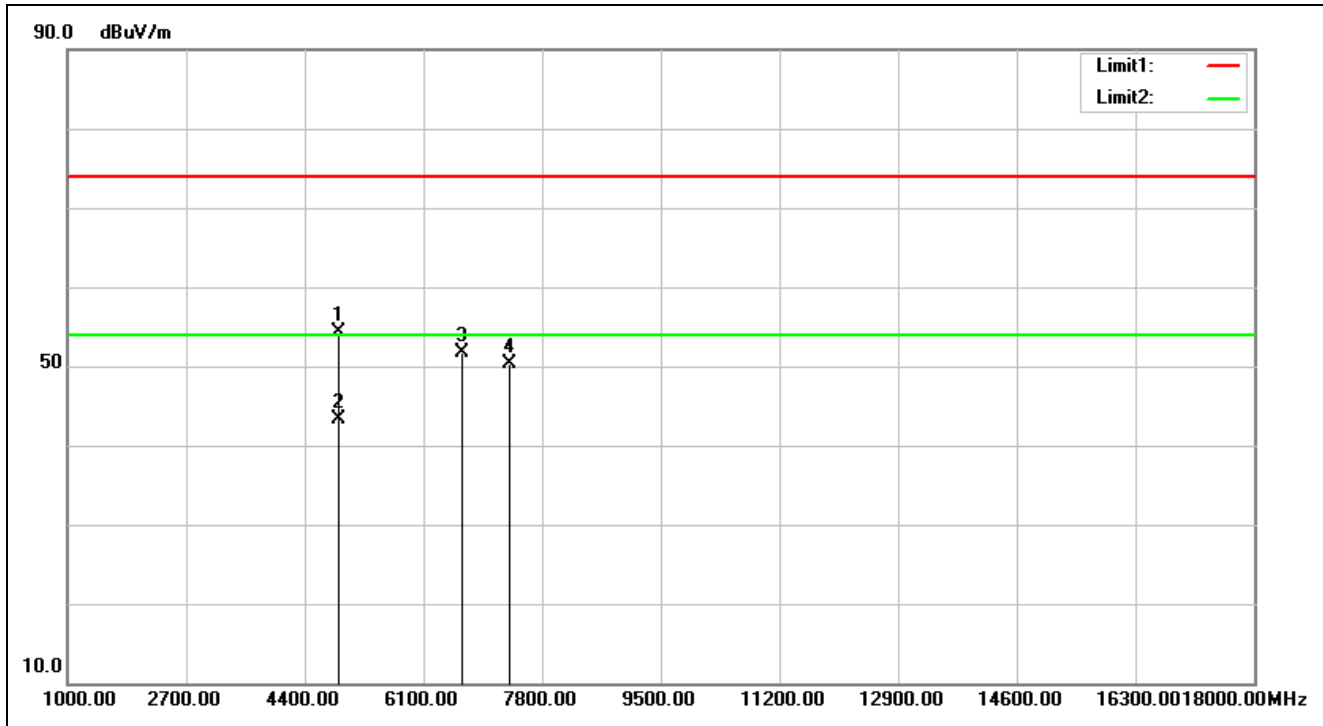
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Test item:	Radiation Emission	Test Time:	2015/8/10 20:26:47
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2402		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.35	59.44	57.09	74.00	-16.91	peak	100	97	
2	4804.000	-2.35	49.11	46.76	54.00	-7.24	AVG	100	97	
3	6593.000	5.87	45.60	51.47	74.00	-22.53	peak	100	160	
4	7206.000	5.78	45.98	51.76	74.00	-22.24	peak			



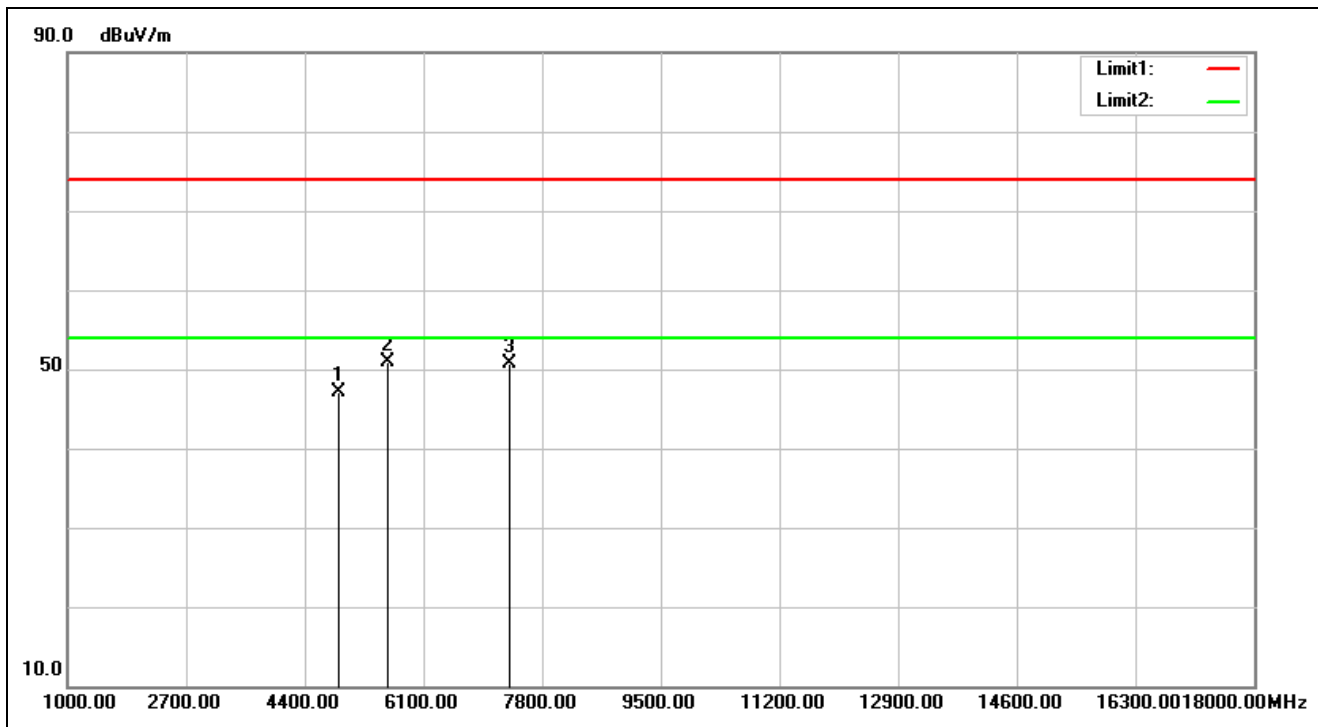
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 20:27:50
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2402		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.35	51.07	48.72	74.00	-25.28	peak			
2	7206.000	5.78	45.25	51.03	74.00	-22.97	peak			
3	7698.000	6.62	45.25	51.87	74.00	-22.13	peak	100	66	



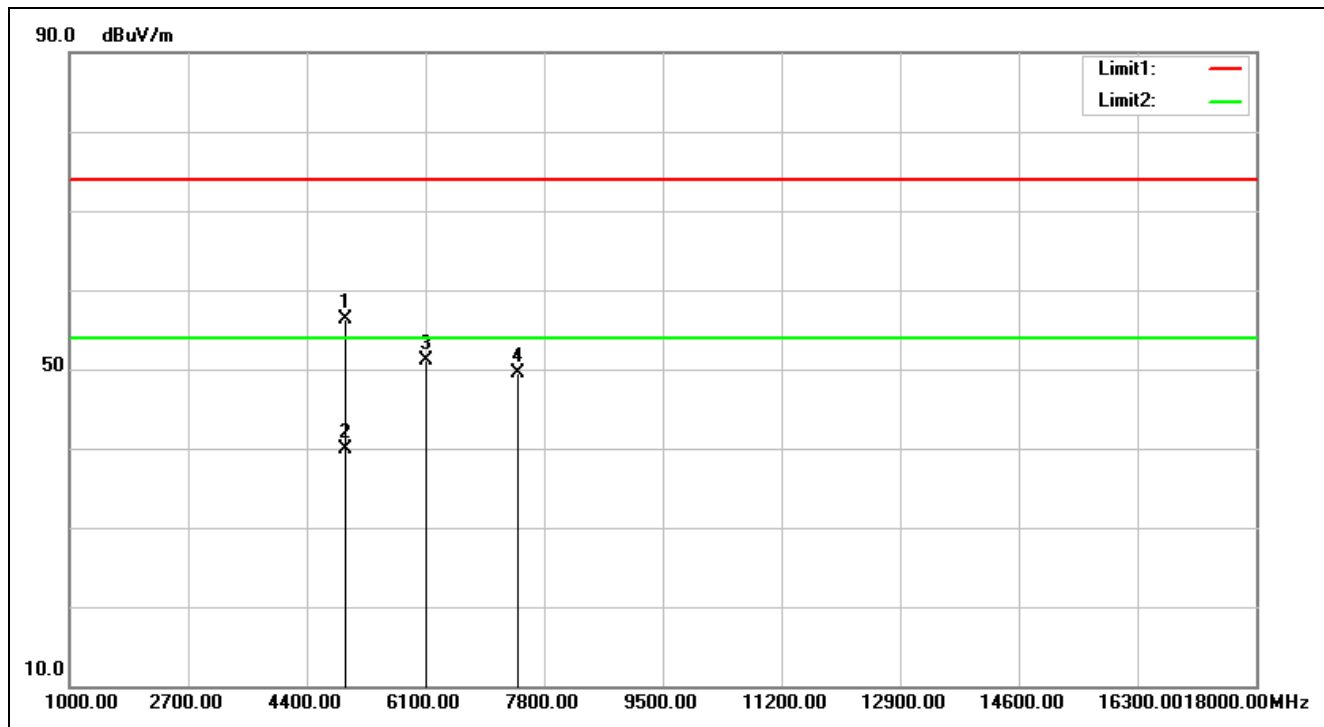
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Test item:	Radiation Emission	Test Time:	2015/8/10 20:33:51
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2441		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	56.50	54.34	74.00	-19.66	peak	100	280	
2	4882.000	-2.16	45.38	43.22	54.00	-10.78	AVG	100	280	
3	6661.000	5.75	45.87	51.62	74.00	-22.38	peak	100	280	
4	7323.000	6.13	44.17	50.30	74.00	-23.70	peak			



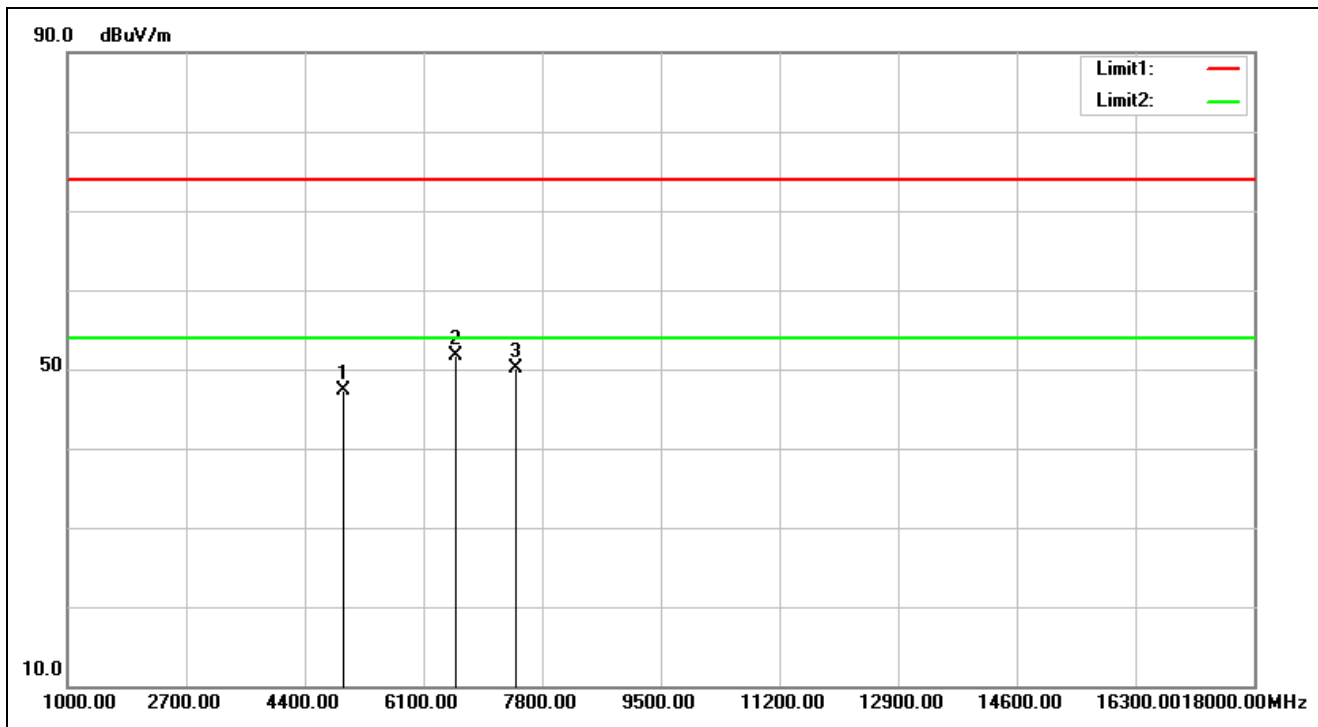
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 20:34:54
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2441		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.16	49.30	47.14	74.00	-26.86	peak			
2	5590.000	1.40	49.47	50.87	74.00	-23.13	peak	100	260	
3	7323.000	6.13	44.57	50.70	74.00	-23.30	peak			



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 20:40:40
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2480		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	58.32	56.35	74.00	-17.65	peak	100	111	
2	4960.000	-1.97	41.96	39.99	54.00	-14.01	AVG	100	111	
3	6117.000	4.53	46.51	51.04	74.00	-22.96	peak	100	56	
4	7440.000	6.47	43.07	49.54	74.00	-24.46	peak			



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 20:41:43
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2480		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	49.31	47.34	74.00	-26.66	peak			
2	6559.000	5.94	45.69	51.63	74.00	-22.37	peak	100	149	
3	7440.000	6.47	43.62	50.09	74.00	-23.91	peak			

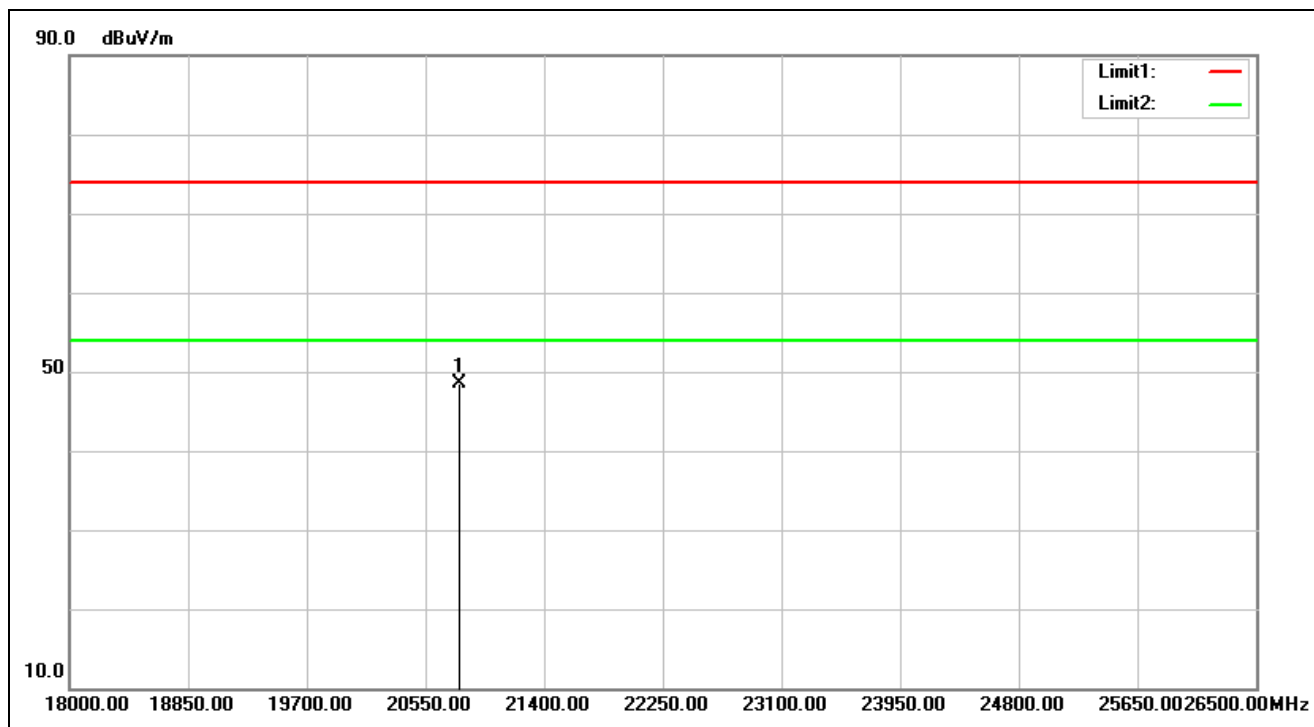
Spurious Emissions, TX Mode, 18-26G



TUV Taiwan

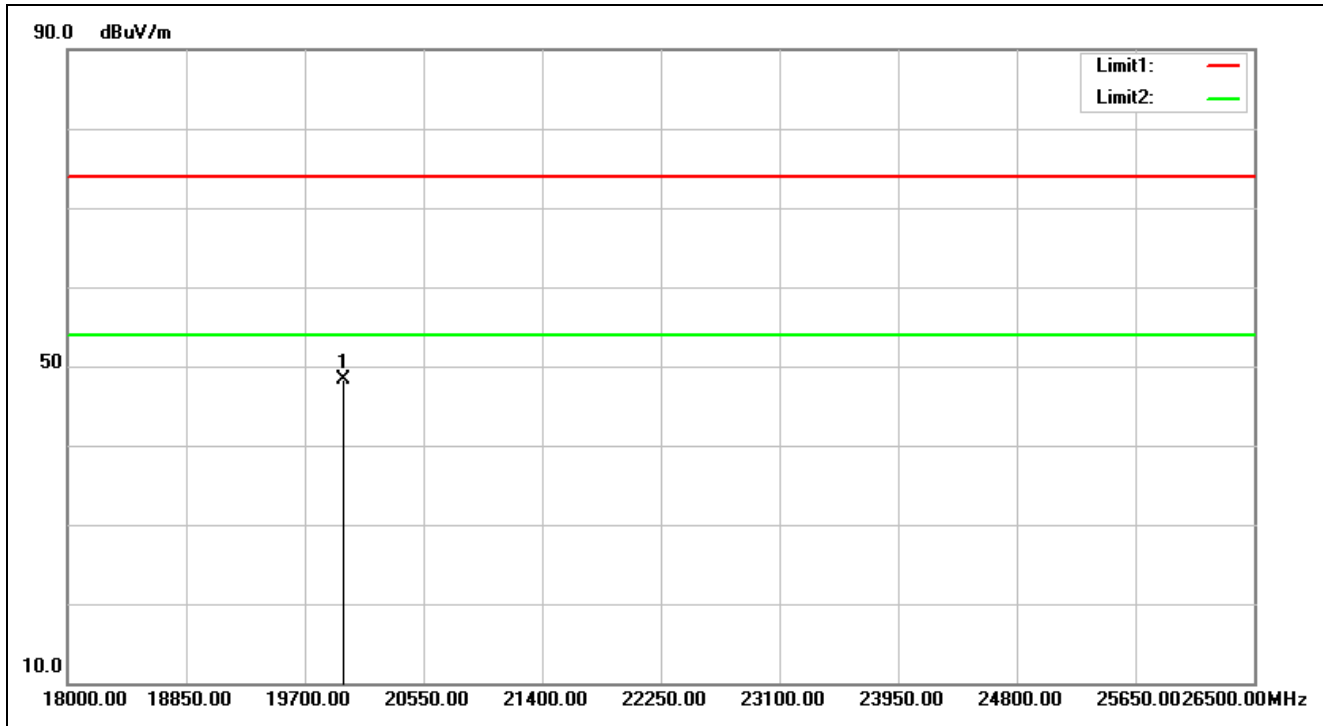
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



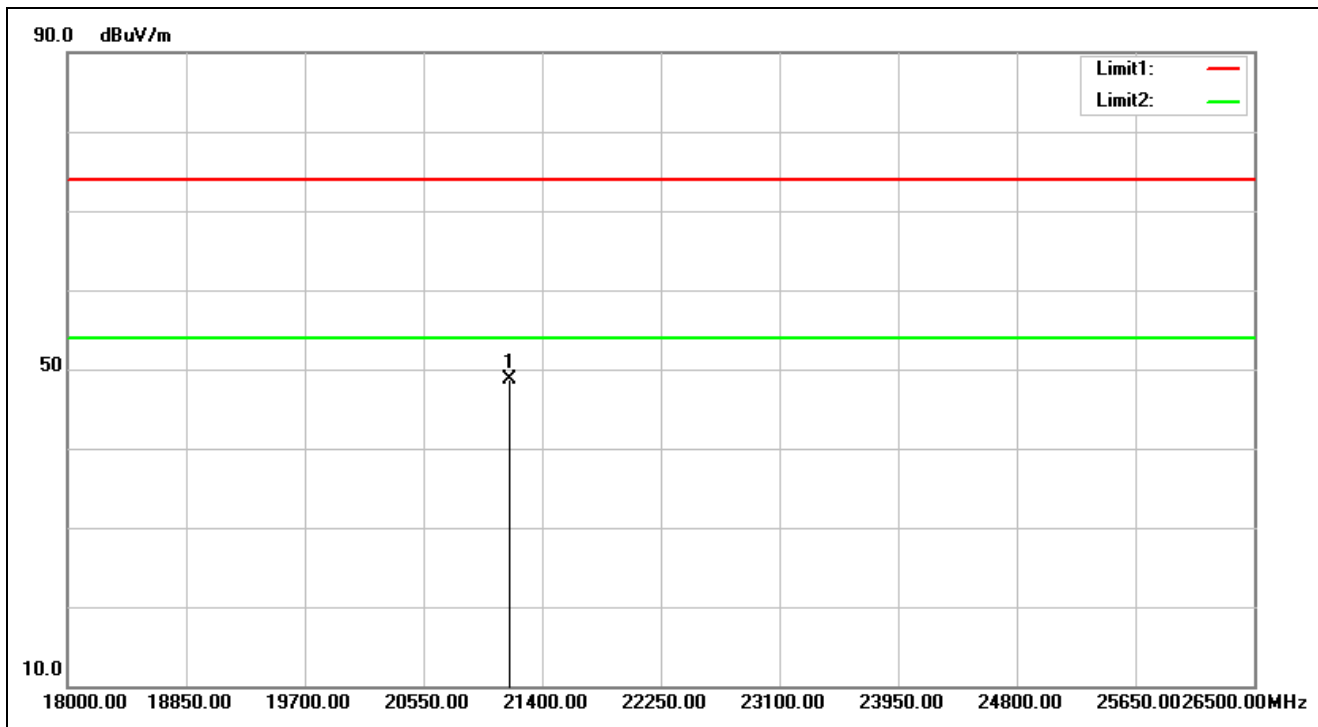
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:28:39
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2402		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20788.000	29.32	19.12	48.44	74.00	-25.56	peak	100	58	



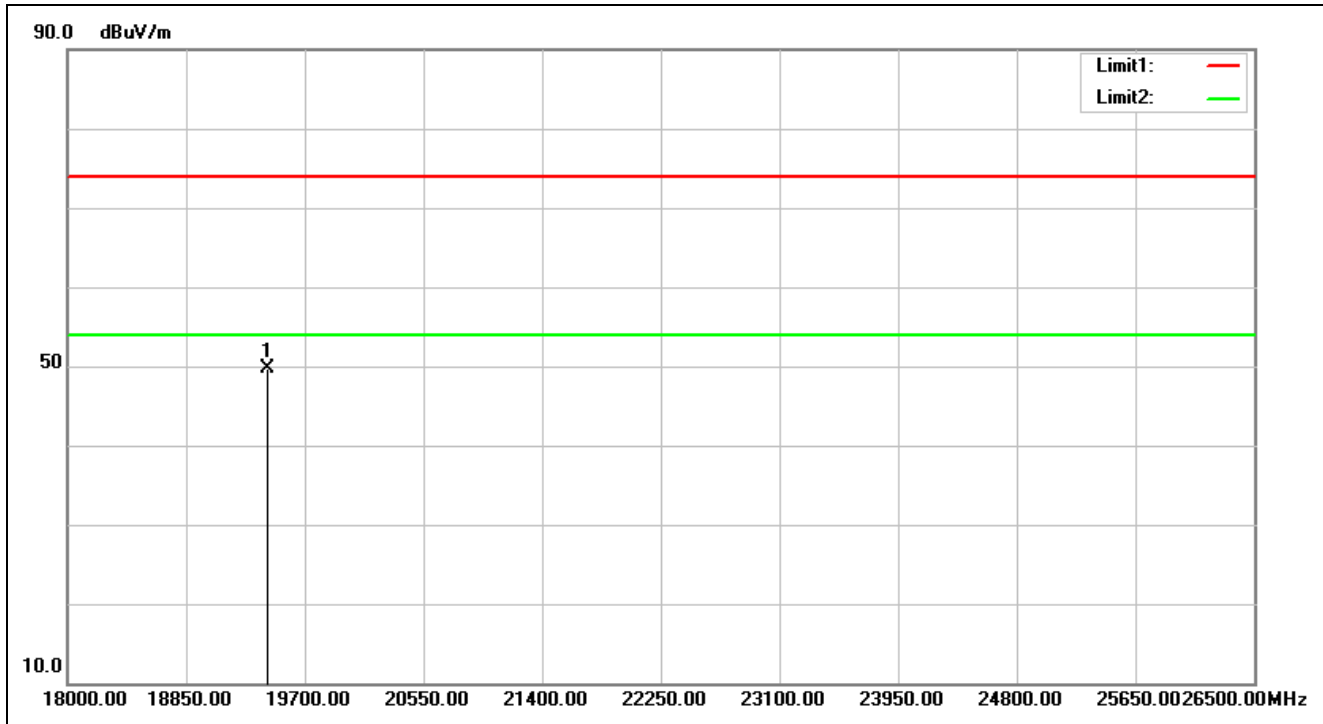
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:29:18
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2402		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19972.000	28.93	19.37	48.30	74.00	-25.70	peak			



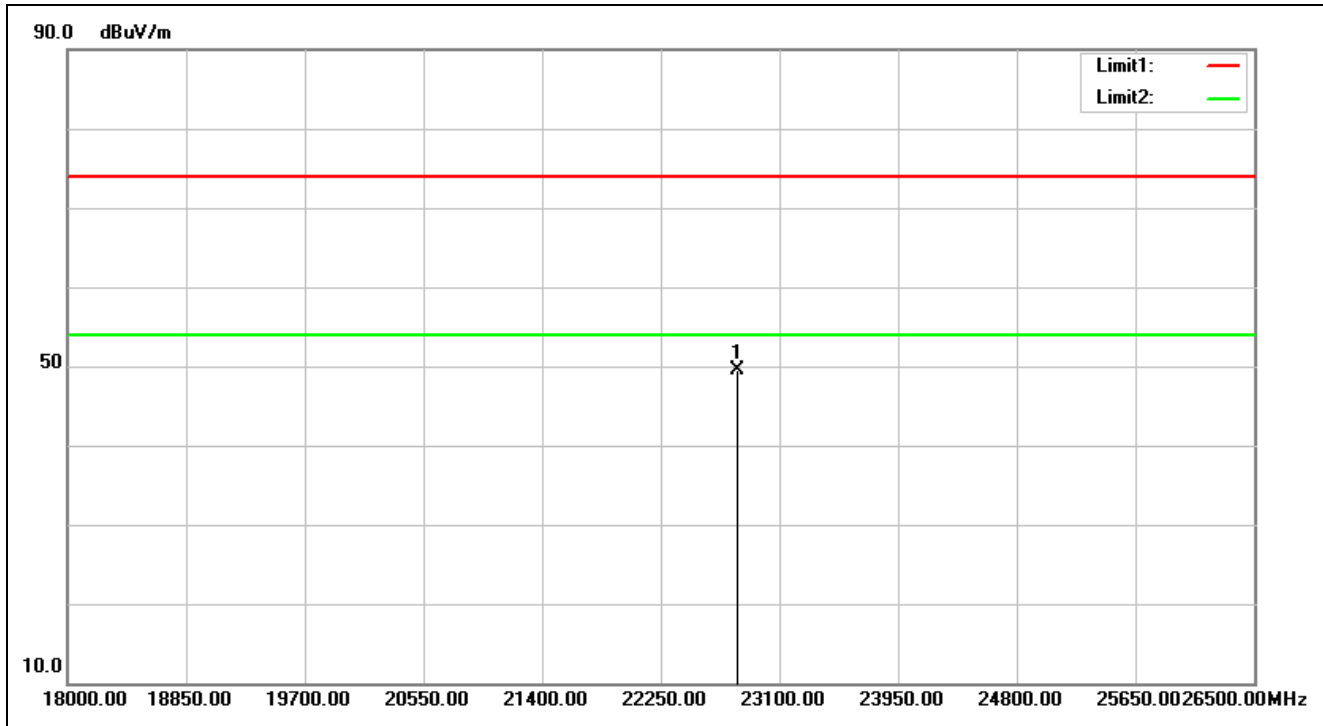
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:29:50
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2441		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21162.000	29.22	19.42	48.64	74.00	-25.36	peak			



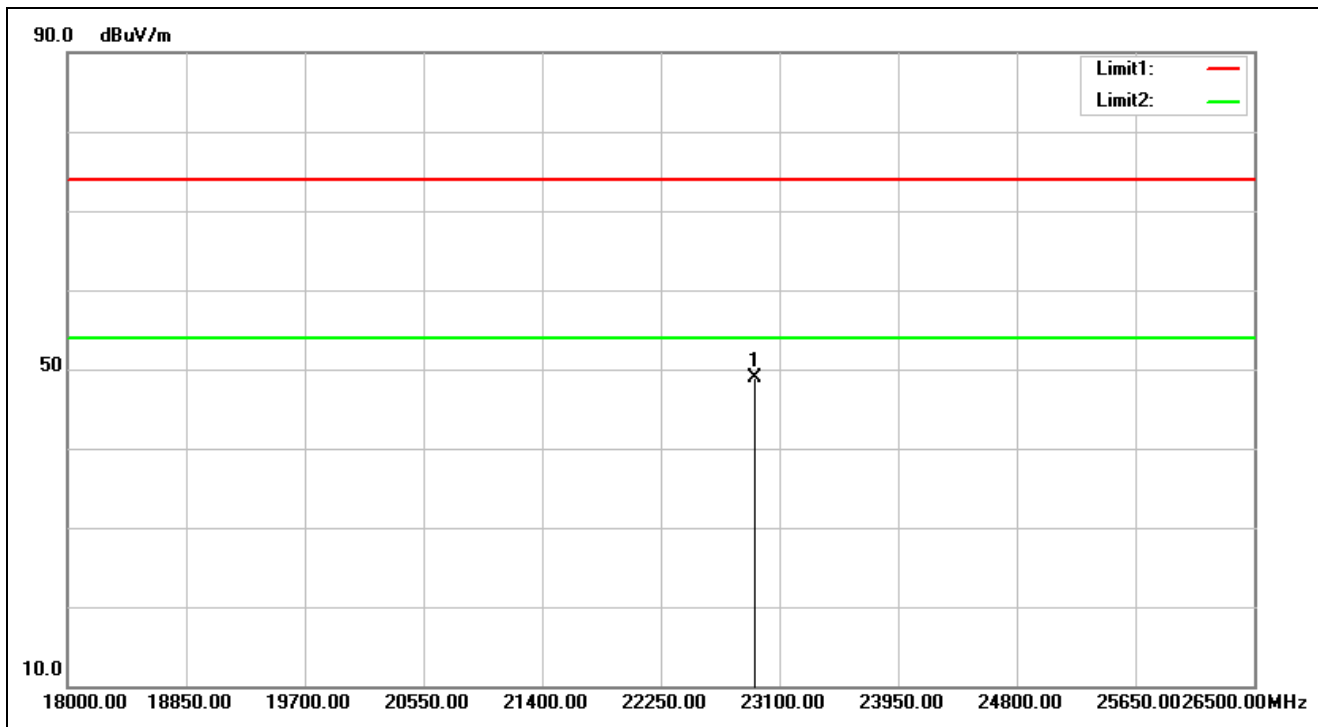
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:30:12
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2441		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19428.000	28.95	20.80	49.75	74.00	-24.25	peak			



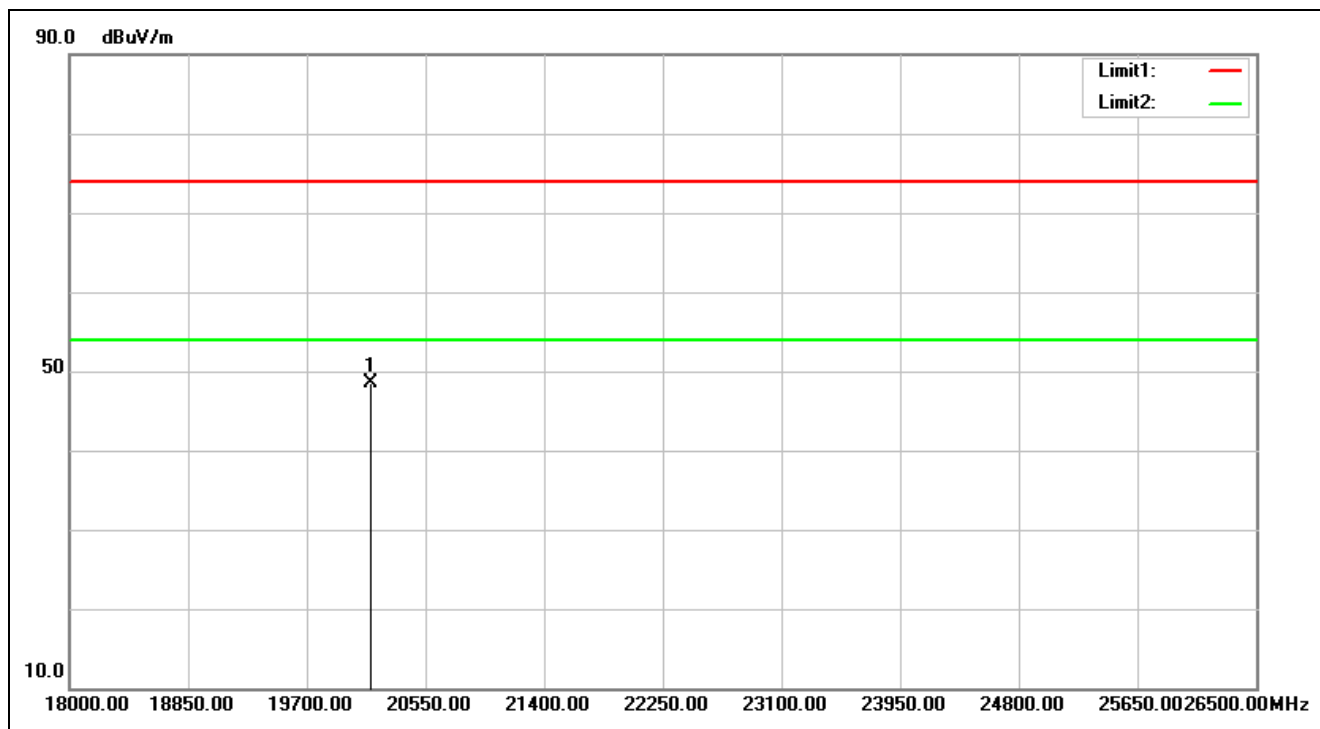
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:30:51
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2480		
Remark:	INT:59		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22802.500	29.65	19.83	49.48	74.00	-24.52	peak			



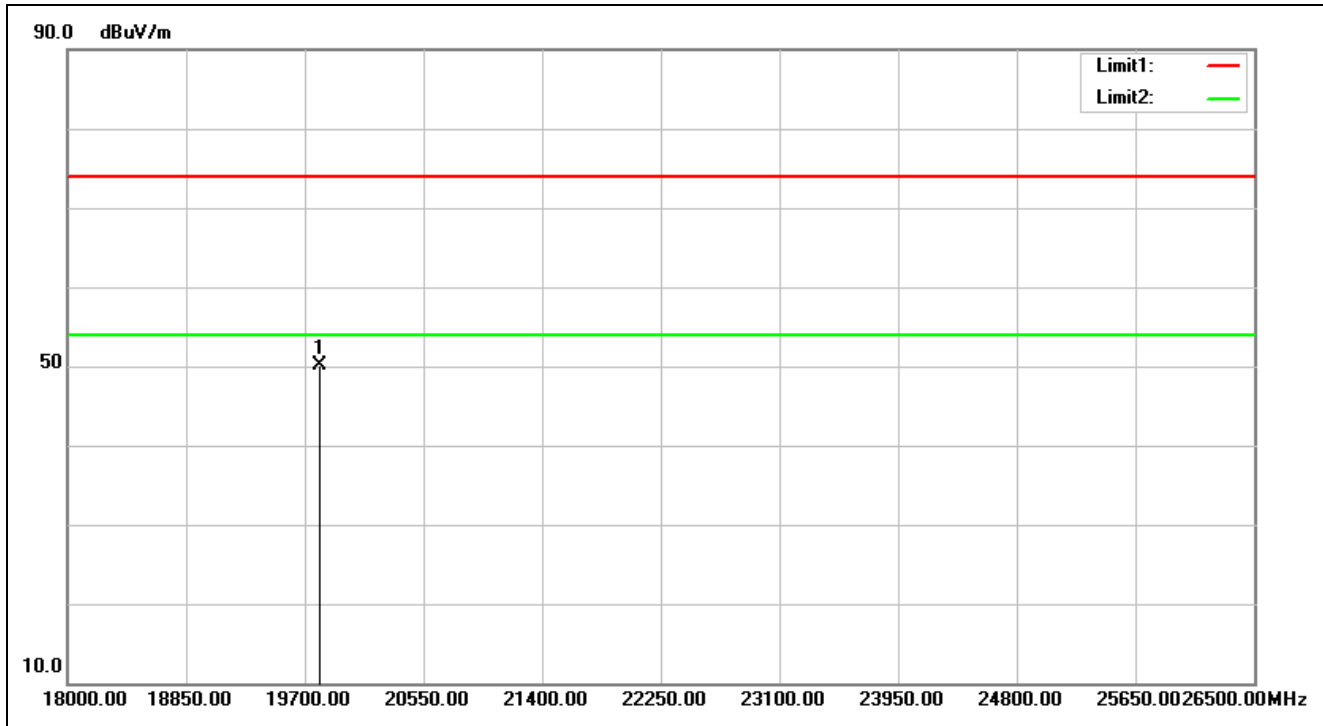
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:31:10
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2480		
Remark:	INT:59		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22921.500	29.82	18.99	48.81	74.00	-25.19	peak			



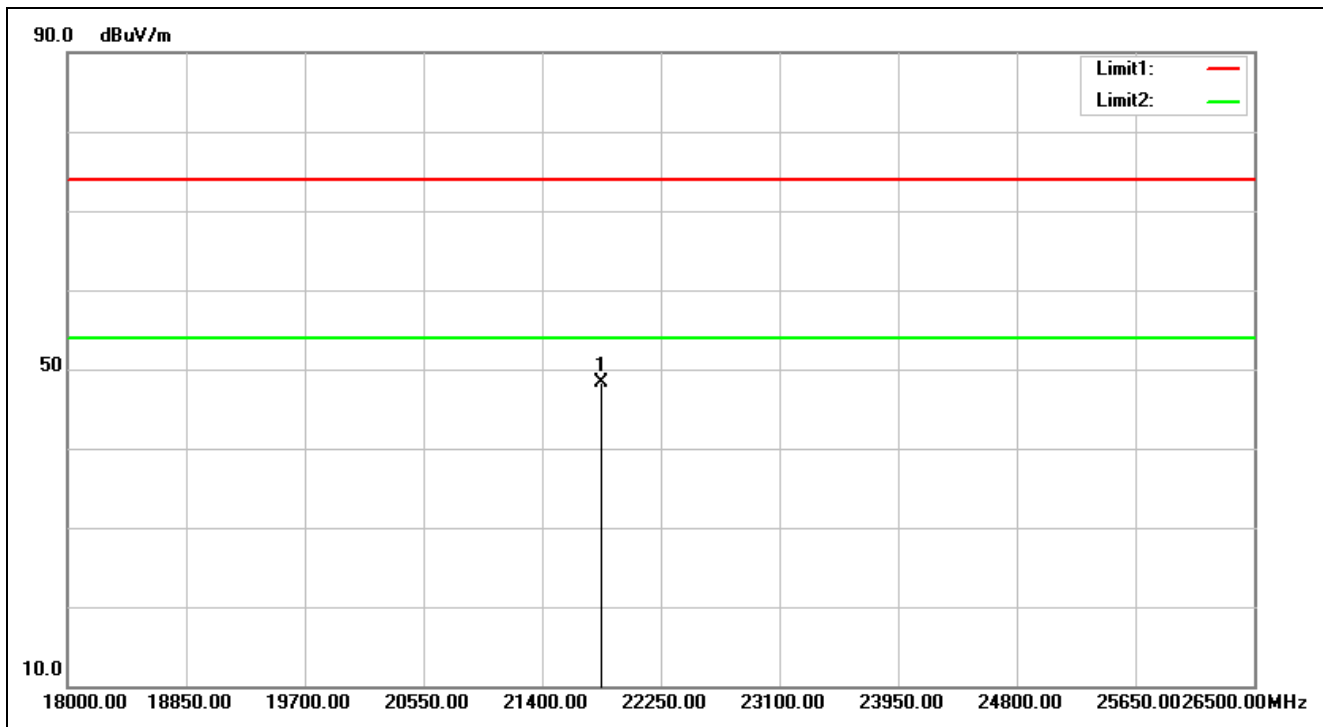
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:31:41
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2402		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20159.000	29.03	19.44	48.47	74.00	-25.53	peak			



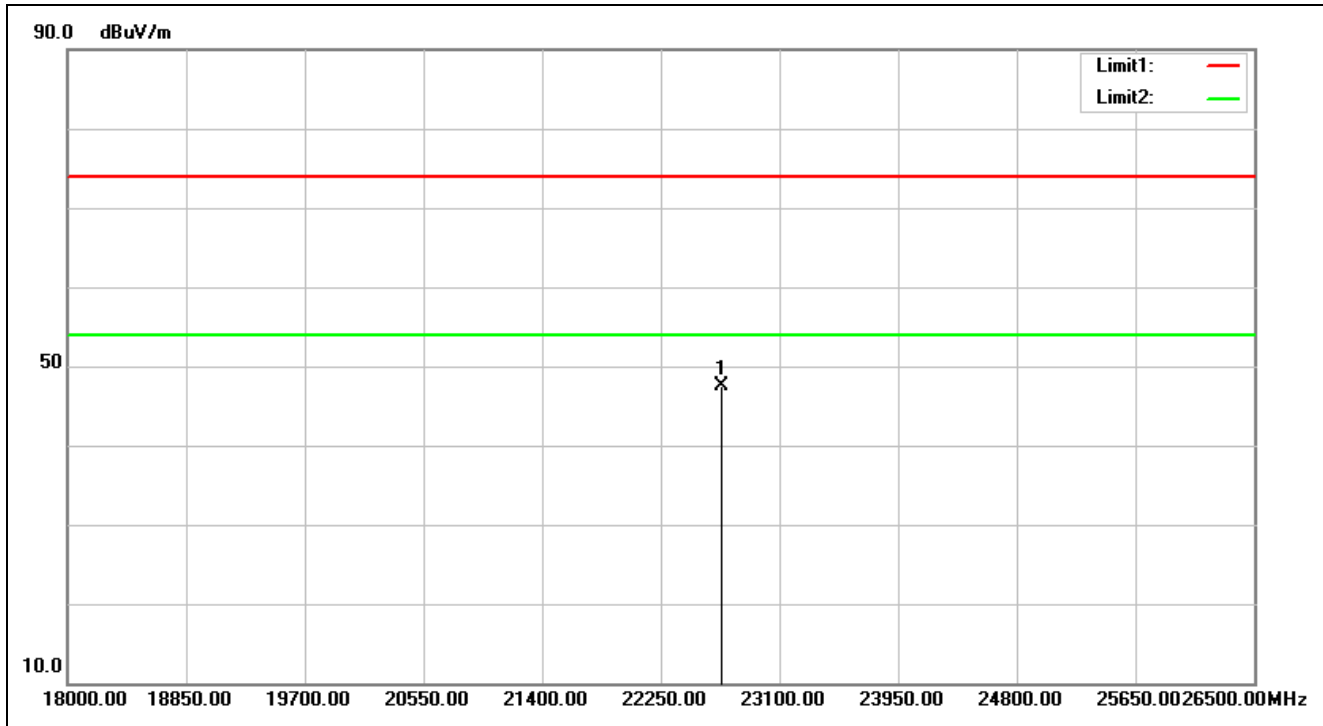
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:32:46
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2402		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19810.500	28.93	21.08	50.01	74.00	-23.99	peak			



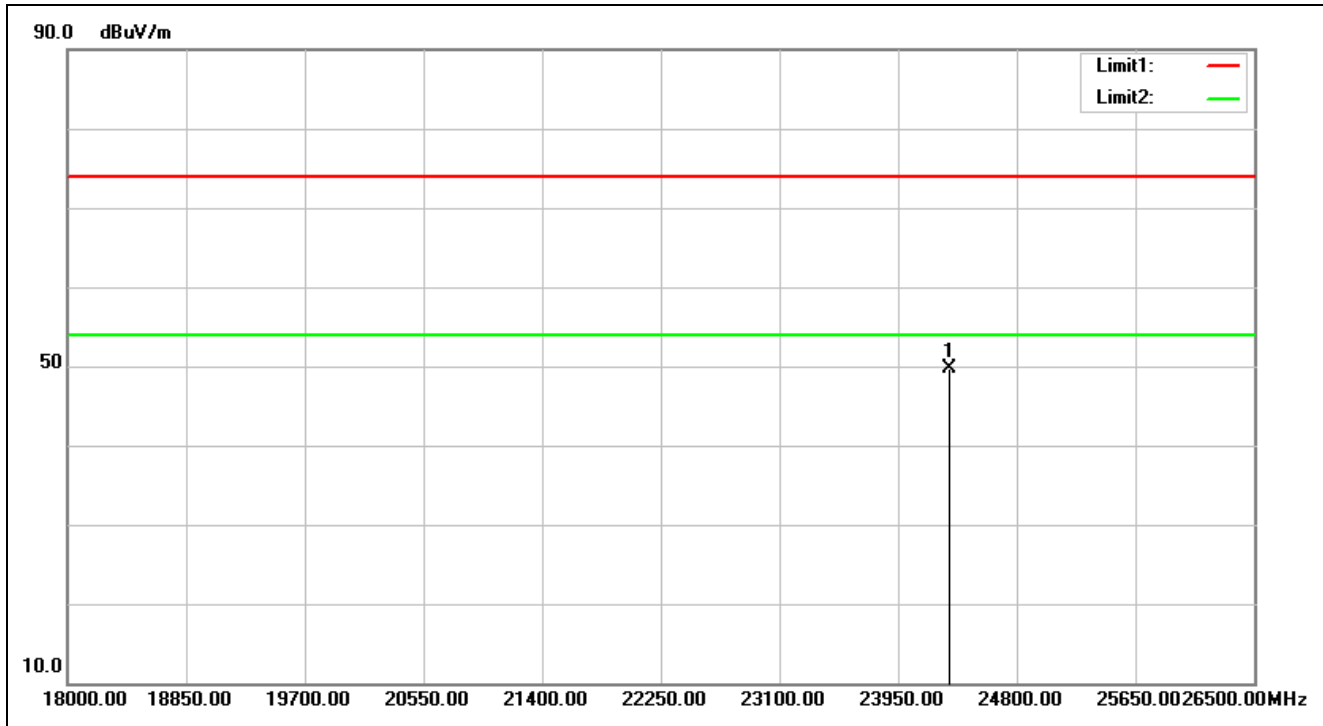
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:33:34
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2441		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21825.000	28.61	19.66	48.27	74.00	-25.73	peak			



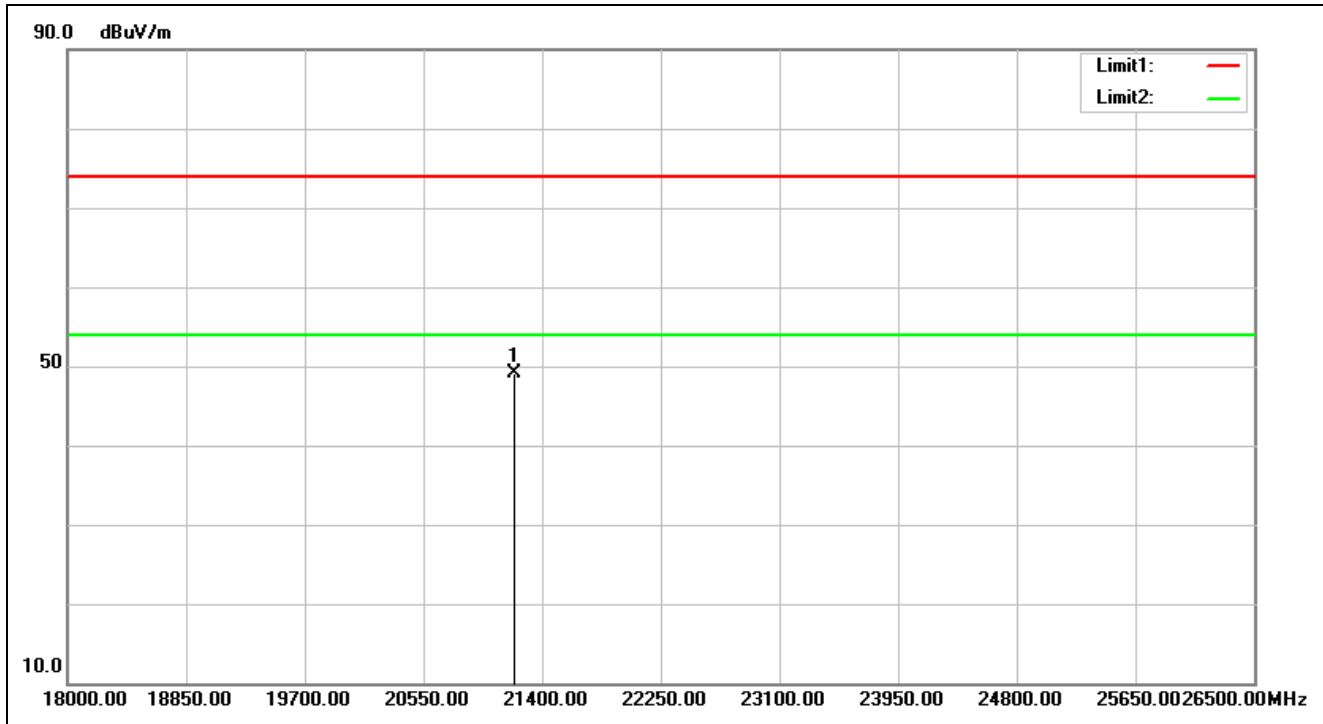
Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:33:49
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2441		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22683.500	29.49	18.04	47.53	74.00	-26.47	peak			



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:34:18
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2480		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24315.500	29.59	20.12	49.71	74.00	-24.29	peak			



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:34:50
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%):	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	3DH5-2480		
Remark:	INT:120		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21196.000	29.18	19.91	49.09	74.00	-24.91	peak			

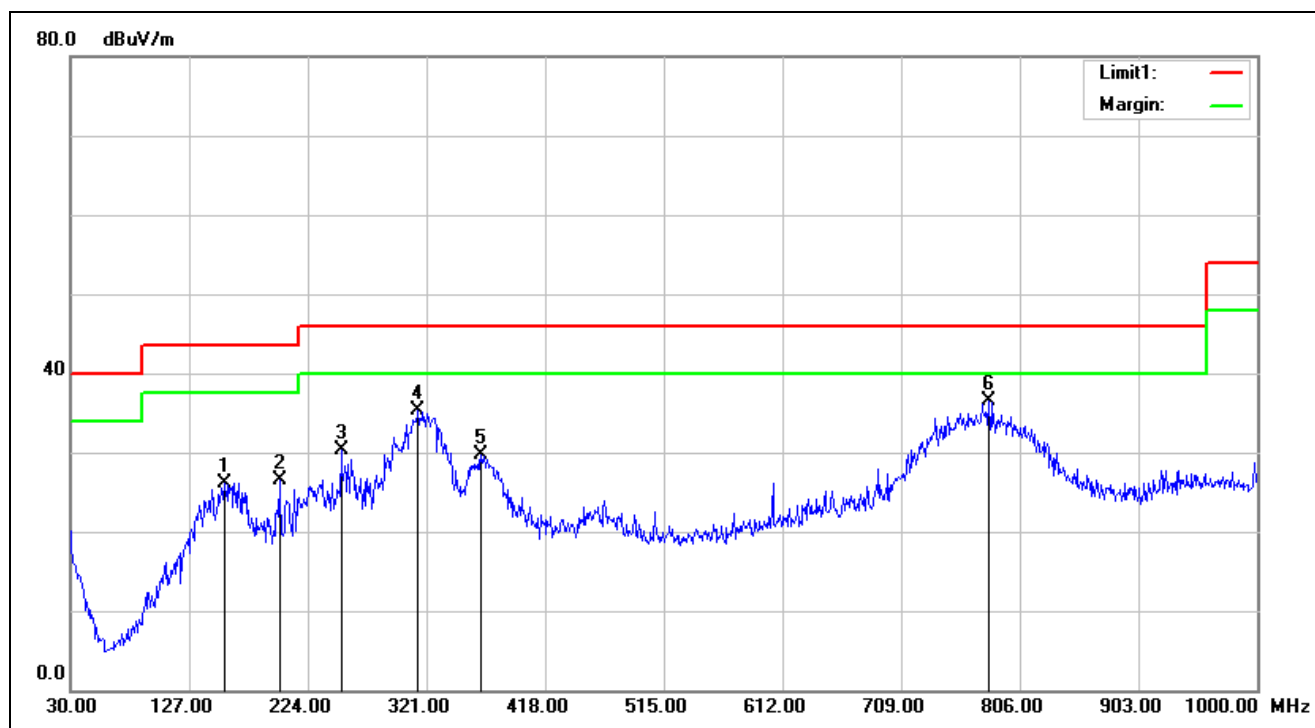
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

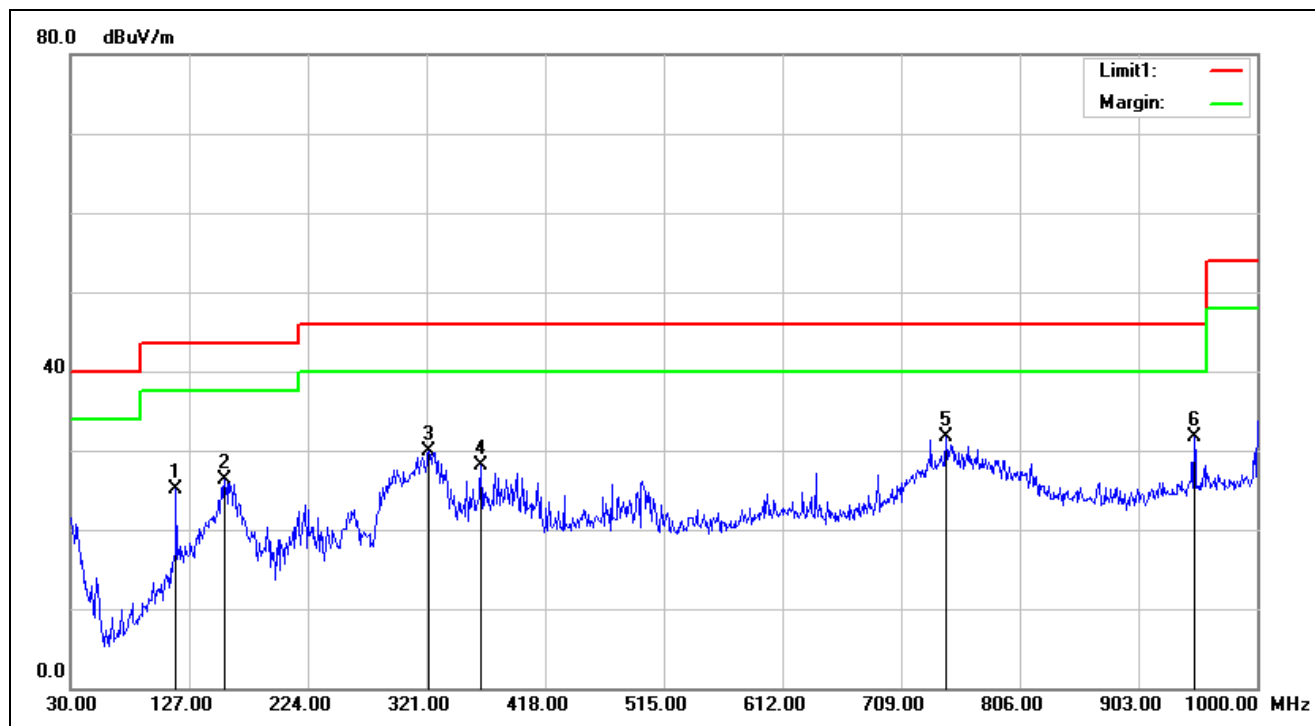
Tel: +886-2172-7000 fax: +886-2528-0018



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/8/10 22:53:45
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2441		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	156.1000	-13.42	39.60	26.18	43.50	-17.32	peak	100	261	
2	200.7200	-14.67	41.19	26.52	43.50	-16.98	peak	100	256	
3	251.1600	-11.55	41.79	30.24	46.00	-15.76	peak	100	251	
4	314.2100	-10.07	45.29	35.22	46.00	-10.78	peak	100	104	
5	365.6200	-9.06	38.69	29.63	46.00	-16.37	peak	100	299	
6	780.7800	-3.47	40.00	36.53	46.00	-9.47	peak	100	99	

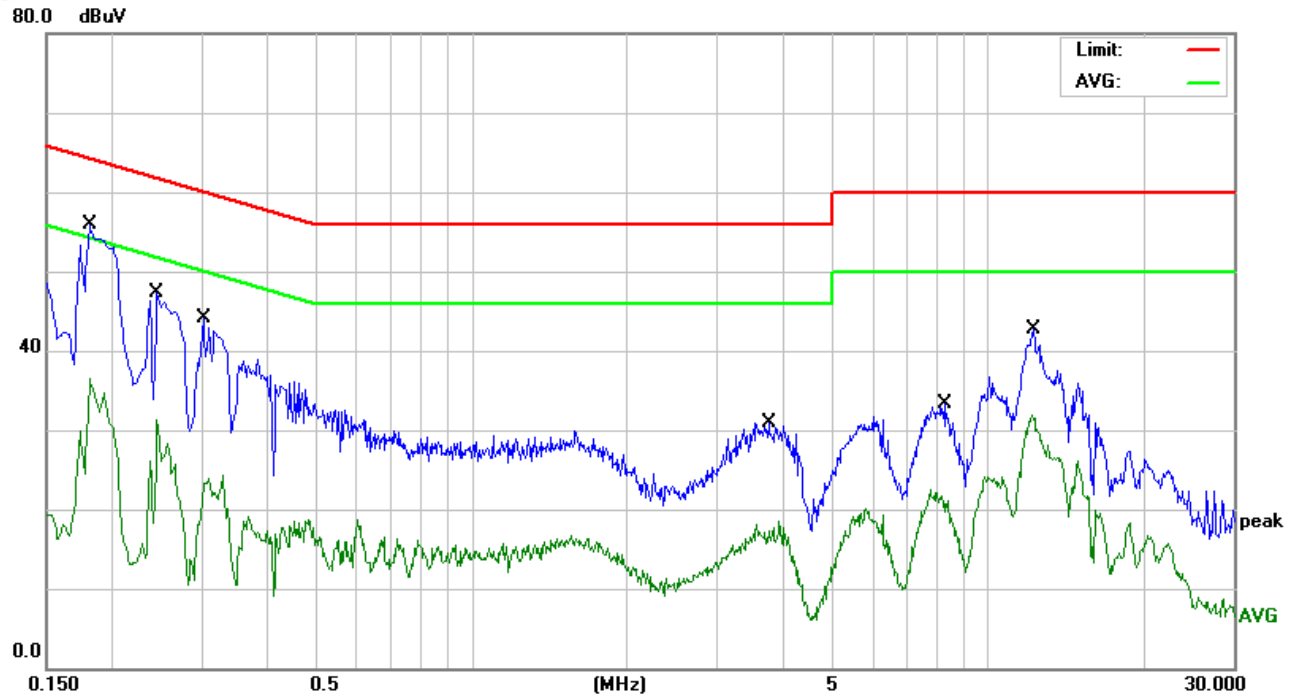
Spurious Emissions, Mains, 150kHz - 30MHz



Service No.:	114038549-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/8/10 22:54:49
Applicant:	Delta	Test Rating:	DC 5V
Product:	Bluetooth Speaker	Temp.(°C)/Hum.(%)	23.4(°C)/49%
Model No.:	VFRU-19-05BT	Test Engineer:	George Yang
Test Mode:	1DH5-2441		
Remark:	INT:57		

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	116.3300	-13.26	38.31	25.05	43.50	-18.45	peak	100	266	
2	156.1000	-13.42	39.69	26.27	43.50	-17.23	peak	100	112	
3	322.9400	-9.88	39.74	29.86	46.00	-16.14	peak	100	202	
4	365.6200	-9.06	37.08	28.02	46.00	-17.98	peak	100	202	
5	745.8600	-3.79	35.40	31.61	46.00	-14.39	peak	100	125	
6	948.5900	-0.29	31.93	31.64	46.00	-14.36	peak	100	3	

Mains Spurious Emissions



Service No.: 114038549

Test Standard: FCC Class B Conduction(QP)

Probe: L1

Test item: Conduction Emission

Test Time: 2015/7/27 21:26:00

Applicant: Delta

Test Rating: AC 120V/60Hz

Product: Bluetooth Speaker

Temp.(°C)/Hum.(%): 23.5(°C)/47%

Model No.: VFRU-19-05BT

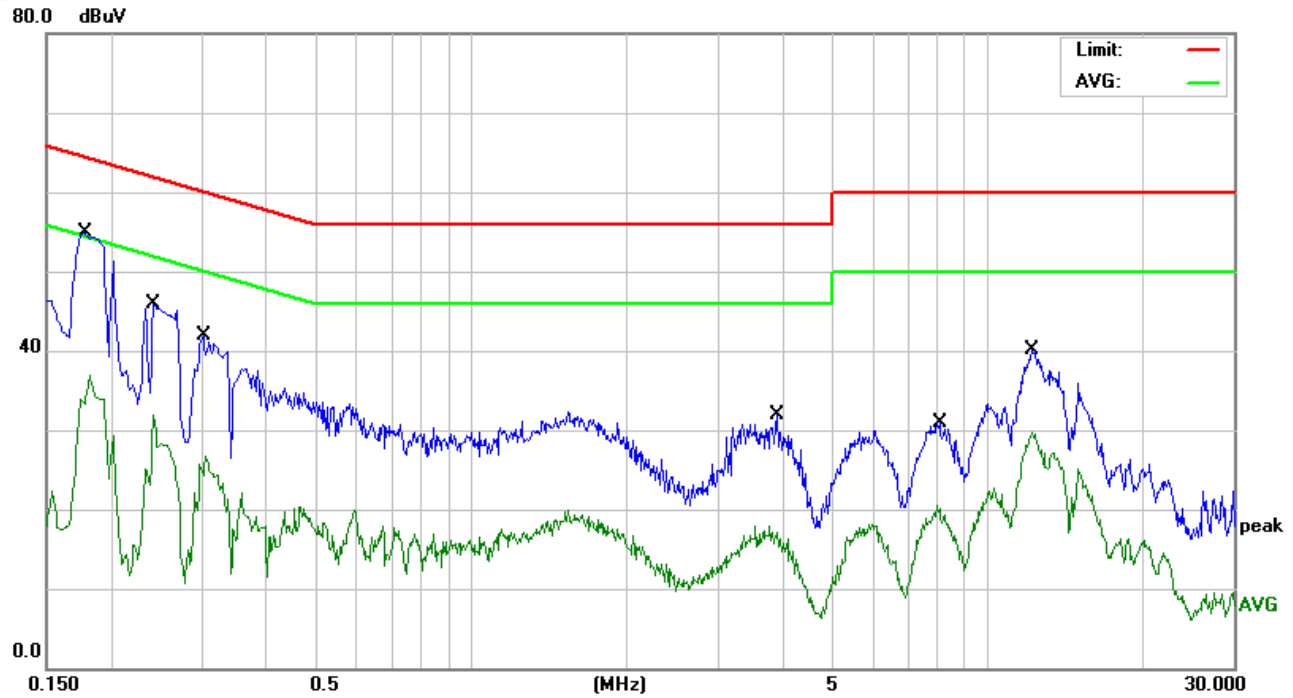
Test Engineer: Hugo Chang

Test Mode:

Remark:

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Remark
1	0.1819	9.63	43.16	52.79	64.39	-11.60	QP	
2	0.1819	9.63	24.08	33.71	54.39	-20.68	AVG	
3	0.2460	9.63	34.16	43.79	61.89	-18.10	QP	
4	0.2460	9.63	16.33	25.96	51.89	-25.93	AVG	
5	0.3020	9.63	28.78	38.41	60.19	-21.78	QP	
6	0.3020	9.63	12.60	22.23	50.19	-27.96	AVG	
7	3.7780	9.66	15.22	24.88	56.00	-31.12	QP	
8	3.7780	9.66	6.27	15.93	46.00	-30.07	AVG	
9	8.2460	9.73	17.10	26.83	60.00	-33.17	QP	
10	8.2460	9.73	9.18	18.91	50.00	-31.09	AVG	
11	12.2340	9.78	26.98	36.76	60.00	-23.24	QP	
12	12.2340	9.78	19.62	29.40	50.00	-20.60	AVG	

Spurious Emissions, Mains, 150kHz - 30MHz



Service No.: 114038549

Test Standard: FCC Class B Conduction(QP)

Probe: N

Test item: Conduction Emission

Test Time: 2015/7/27 21:29:04

Applicant: Delta

Test Rating: AC 120V/60Hz

Product: Bluetooth Speaker

Temp.(°C)/Hum.(%): 23.5(°C)/47%

Model No.: VFRU-19-05BT

Test Engineer: Hugo Chang

Test Mode:

Remark:

No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Remark
1	0.1780	9.65	42.73	52.38	64.57	-12.19	QP	
2	0.1780	9.65	23.64	33.29	54.57	-21.28	AVG	
3	0.2420	9.65	33.11	42.76	62.02	-19.26	QP	
4	0.2420	9.65	17.55	27.20	52.02	-24.82	AVG	
5	0.3020	9.64	28.61	38.25	60.19	-21.94	QP	
6	0.3020	9.64	15.39	25.03	50.19	-25.16	AVG	
7	3.9180	9.68	12.58	22.26	56.00	-33.74	QP	
8	3.9180	9.68	4.09	13.77	46.00	-32.23	AVG	
9	8.0940	9.76	14.48	24.24	60.00	-35.76	QP	
10	8.0940	9.76	6.93	16.69	50.00	-33.31	AVG	
11	12.2380	9.83	24.24	34.07	60.00	-25.93	QP	
12	12.2380	9.83	17.29	27.12	50.00	-22.88	AVG	